

Haywood Road Sidewalk – Title, SOV, Notes, Typical Section, Details.dwg

7/29/2019

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APPROVED BY:

DWAYNE A. COOPER, PE
ENGINEERING SERVICES MANAGER

THE UTILITIES SHOWN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CALL 1-888-721-7877



Haywood Road Sidewalks

CITY OF GREENVILLE
GREENVILLE, S.C.

TITLE:

FILE

DRAWING NO.	
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1

Item No.	Item Description	Quantity	Units
1031000	Moblization	1	LS
Sp Prov	Quality Control Assurance and Testing	1	LS
1050800	Construction Stakes, Lines & Grades	1	LS
1071000	Traffic Control	1	LS
2011000	Clearing and Grubbing within Construction Limits	1	LS
2021000	Removal of Structures and Obstructions	1	LS
2022000	Removal and Disposal of Existing Curb	800	LF
2023000	Removal and Disposal of Existing Concrete Pavement	100	SY
2025000	Removal and Disposal of Existing Asphalt Pavement	200	SY
2031000	Unclassified Excavation	65	CY
2033000	Borrow Excavation	1000	CY
3069900	Temporary Maintenance Stone (CR-14)	50	TN
7203210	CONC.CURB & GUTTER(2'-0")VERT.	600	LF
7203110	CONC.CURB & GUTTER(1'-6")VERT.	200	LF
7204100	Concrete Sidewalk (4" Uniform)	900	SY
7204900	Detectable Warning Surface-Colonial Red	250	SF
7205060	Concrete Driveway Apron 6"	50	SY
4031100	Hot Mix Asphalt Surface Type B	25	TN
6271025	24" White Solid Lines (Stop/Diag Lines) - Thermo - 125 Mil	3000	LF
6271015	8" White Solid Lines Thermoplastic - 125 Mil	100	LF
6241012	4" White Solid Lines (Pvt Edge & No Pass Lines) Thermo-90 Mil	200	LF
6319505	Removal of Existing Pavement Markings	200	LF
8153000	Silt Fence	1225	LF
Sp Prov	Sod	1600	SY
6020005	Permanent Construction Signs - Scheme C & E	200	SF




*THE CITY OF
GREENVILLE*

P.O. BOX 2207
GREENVILLE, S.C.

PROJECT NO.	REVISION	No.	DATE	BY/CHKD
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Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.
SCHEDULE OF VALUES

DRAWING NO.
2

GENERAL NOTES			
<div>1. TOPOGRAPHIC AND BOUNDARY SURVEY BY THE CITY OF GREENVILLE (864-467-4400).</div> <div>2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND INVERT ELEVATION OF ALL UNDER GROUND UTILITIES, AND VERIFY PROPERTY CORNERS AND TOPO BEFORE ANY CONSTRUCTION IS BEGUN. CALL PUPS (PALMETTO UTILITY PROTECTION SERVICE) AT 1-800-922-0983 THREE (3) DAYS BEFORE ANY EXCAVATION TO LOCATE ALL BURIED CABLES AND UNDERGROUND UTILITIES. GWS (GREENVILLE WATER SYSTEM) MUST BE CONTACTED SEPARATELY FROM PUPS. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL VERIFY THE INVERTS OF EXISTING STRUCTURES AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.</div> <div>3. THE CONTRACTOR SHOULD NOTIFY THE ENGINEER FOR A REVIEW SHOULD DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE DRAWINGS BEFORE OR DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE BETWEEN ALL CIVIL DRAWINGS WITH GRADING AND UTILITY CONTRACTORS IN ORDER TO AVOID PROBLEMS DURING CONSTRUCTION.</div> <div>4. CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITY COMPANIES DURING CONSTRUCTION OF SEWER SO PERIODIC OBSERVATIONS CAN BE MADE. CONTRACTOR WILL CERTIFY TO THE ENGINEER IN WRITING THAT THE SEWER LINES HAVE BEEN TESTED AND CONSTRUCTED ACCORDING TO THE DRAWINGS AND SPECIFICATIONS.</div> <div>5. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.</div> <div>6. ALL REFERENCE TO SPECIFICATIONS FOR HIGHWAY CONSTRUCTION OR MATERIALS ARE MADE FROM SOUTH CAROLINA STATE HIGHWAY DEPARTMENT'S STANDARD SPECIFICATION, LATEST EDITION.</div> <div>7. ALL DIMENSIONS SHOWN ARE MEASURED TO FACE OF CURB LINE.</div> <div>8. EARTHWORK SHALL BE TO THE LINES AND GRADES SHOWN ON THE CROSS SECTIONS, OR AS DIRECTED BY THE ENGINEER, AND IN ACCORDANCE WITH ALL SPECIFICATIONS. PROOF ROLLING AND COMPACTION TEST SHALL BE ACCOMPLISHED IN THE FIELD TO TEST ALL AREAS. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A TESTING COMPANY TO TEST ALL AREAS. FILL SHALL BE PLACED IN LOOSELY MEASURED LIFTS NOT EXCEEDING 8" LOOSE THICKNESS.</div> <div>9. CONTRACTOR SHALL PROTECT ALL TREES THAT ARE TO REMAIN AS MARKED ON THE PLANS OR IN THE FIELD BY OWNER'S REPRESENTATIVE.</div> <div>10. THE GRADING CONTRACTOR SHALL PROOF-ROLL THE CONSTRUCTION AREA WITH A FULLY-LOADED TANDEM-AXLE DUMP TRUCK, OR APPROVED EQUAL, BY MAKING 2 COMPLETE PASSES IN EACH TRAVELED LANE. ALL SOFT SPOTS SHALL BE UNDERCUT AND RE-COMPACTED WITH SUITABLE STRUCTURAL FILL MATERIAL. MINIMUM AXLE WEIGHT = 10 TONS.</div> <div>11. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON, OR NEAR THE CONSTRUCTION SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL BARRICADES, WARNING SIGNS, FLASHING LIGHTS, AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION. THE CONTRACTOR IS TO COMPLY WITH ALL OSHA REGULATION, REQUIREMENTS, AND SAFETY MEETING REQUIREMENTS.</div> <div>12. ALL NEW ELEVATIONS SHOWN ARE FINISH GRADE ELEVATION.</div> <div>13. THE CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION THAT ARE WITHIN 5 FEET OF NEW CONSTRUCTION (UNLESS NOTED OTHERWISE). REMOVE DEBRIS FROM SITE IN ACCORDANCE WITH ALL LOCAL LAWS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS. PROTECT ALL TREES THAT ARE TO REMAIN.</div> <div>14. TOPSOIL SHALL BE STRIPPED TO A DEPTH AS REQUIRED AND STOCKPILED AS DIRECTED BY THE OWNER'S REPRESENTATIVE.</div> <div>15. THE TOP 18" OF FILL SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY BY THE STANDARD PROCTOR METHOD ASTM D-698. ALL OTHER FILL SHALL BE COMPACTED TO 95" MAXIMUM DRY DENSITY. MOISTURE SHALL BE CONTROLLED TO WITHIN +-2% OF OPTIMUM.</div> <div>16. ALL EXCAVATION SHALL BE "UNCLASSIFIED EXCAVATION" OR "BORROW EXCAVATION," UNLESS SPECIFIED OTHERWISE. BORROW EXCAVATION INCLUDES MATERIAL BROUGHT IN OFF-SITE. ROCK EXCAVATION, IN THE EVENT IT IS ENCOUNTERED, INCLUDES SUCH MATERIAL, WHICH CANNOT BE REMOVED BY MEANS OTHER THAN BY BLASTING OR WITH AN AIR HAMMER.</div> <div>17. THE CLASSIFICATION OF SOILS INCLUDE: TOPSOIL, FILL MATERIAL, UNSUITABLE MATERIAL, AND ROCK EXCAVATION. THE CLASSIFICATION OF SOILS IS THE RESPONSIBILITY OF THE CONTRACTOR'S TESTING FIRM.</div> <div>18. ALL FILL MATERIAL SHALL CONSIST OF AN APPROVED MATERIAL AND BE FREE OF ORGANIC MATTER AND DEBRIS. IMPORTED FILL SHALL HAVE A MINIMUM STANDARD PROCTOR MAXIMUM DRY DENSITY OF 90 PCF, A LIQUID LIMIT NO GREATER THAN 40, AND PLASTICITY INDEX LESS THAN 15.</div> <div>19. ALL EXISTING SLOPES STEEPER THAN 4:1 THAT WILL RECEIVE FILL SHALL BE PLOWED AND SCARIFIED SO NEW FILL WILL BOND WITH EXISTING SURFACE.</div> <div>20. CONTRACTOR SHALL SCARIFY ALL EXISTING ASPHALT PAVEMENT BEFORE PLACING FILL, UNLESS OVERLAYING ASPHALT ONTO EXISTING ASPHALT.</div> <div>21. THE GRADING CONTRACTOR SHALL CONFORM TO ELEVATIONS AND DIMENSIONS SHOWN WITHIN A TOLERANCE OF PLUS OR MINUS 0.05 FEET.</div> <div>22. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SPOT ELEVATIONS WHICH DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES. SPOT ELEVATIONS SHALL BE USED FOR SETTING ELEVATIONS OF CURB AND GUTTER AND UTILITIES.</div> <div>23. IF GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO INVESTIGATE SUCH ADJUSTMENTS.</div> <div>24. GRADES SHOWN AT ALL ENTRANCES ARE DESIGN GRADES. CONTRACTOR SHALL COORDINATE GRADING IN THESE AREAS WITH EXISTING FEATURES IN THE FIELD AND/OR CURRENT DESIGN DRAWINGS.</div> <div>25. CONTRACTOR SHALL EXTEND UNDERGROUND ROOF DRAINAGE PIPING TO NEAREST CATCH BASIN.</div> <div>26. ALL ROADS SHALL HAVE A MINIMUM 1 FOOT SHOULDER WIDTH.</div> <div>27. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III, UNLESS NOTED ON DRAWINGS WITH BELL & SPIGOT ENDS AND SHALL CONFORM TO ALL REQUIREMENTS OF ASTM C 76, LATEST EDITION, INSTALLED WITH FLEXIBLE PLASTIC (BITUMEN) GASKETS AT ALL JOINTS. GASKETS SHALL COMPLY WITH AASHTO M_198 751, TYPE B, AND SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PIPE MANUFACTURER'S RECOMMENDATIONS.</div> <div>28. ALL CORRUGATED PLASTIC PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M_294, TYPE S, SHALL BE SMOOTH INTERIOR WITH ANNULAR CORRUGATED EXTERIOR. HI-Q SURE-LOK 10.8 PIPE, ADS, N-12, OR APPROVED EQUAL. ALL JOINTS SHALL BE BELL AND SPIGOT AND SHALL MEET THE REQUIREMENTS OF AASHTO M-294 SHALL BE WATERTIGHT, MEETING THE REQUIREMENTS OF ASTM D 3212. THE GASKETS SHALL BE MADE OF POLYISOPRENE MEETING THE REQUIREMENTS OF ASTM F 477. INSTALLATION SHALL CONFORM TO AASHTO M-294, ASTM D-2321, AND MANUFACTURERS INSTALLATION PROCEDURES. MAX COVER IS 15 FEET.</div> <div>29. ANY REINFORCED CONCRETE PIPE WITH MORE THAN 15 FEET OF COVER SHALL BE CLASS IV WITH O-RING JOINTS.</div> <div>30. ALL STORM PIPE LENGTH AND ELEVATIONS (TOPS AND INVERTS) OF STORM DRAINAGE STRUCTURES SHOWN ON THE DRAWINGS ARE APPROXIMATE. CONTRACTOR MAY HAVE TO FIELD ADJUST AS NECESSARY DURING CONSTRUCTION. THE CONTRACTOR MAY USE PRE-CAST DRAINAGE STRUCTURES AS AN ALTERNATE FOR STRUCTURE SPECIFIED ON THE PLAN. HOWEVER, THE OWNER ASSUMES NO RESPONSIBILITY FOR THESE STRUCTURES, AS FIELD CONDITIONS DURING CONSTRUCTION OFTEN DICTATE ADJUSTMENTS OF STORM DRAINAGE STRUCTURES. THE CONTRACTOR RETAINS ALL RESPONSIBILITY AND EXPENSE FOR MODIFYING THE PRE-CAST STRUCTURES TO ACCOMMODATE THESE ADJUSTMENTS.</div>		<div>31. ANY REINFORCED CONCRETE PIPE STEEPER THAN 10 PERCENT MUST HAVE CONCRETE COLLARS. CORRUGATED METAL PIPE WITH HUGGER BANDS MAY BE SUBSTITUTED. THE NUMBER OF CONCRETE COLLARS AND TYPE OF STORM PIPE WILL BE DETERMINED TOGETHER BY THE CONTRACTOR AND THE ENGINEER.</div> <div>32. ALL CORRUGATED STEEL PIPE SHALL BE TYPE 2, ALUMINIZED STEEL PIPE, MEETING AASHTO M-274, 16 GAUGE FOR SIZES 24" AND SMALLER AND 14 GAUGE FOR SIZES 30" AND LARGER. ALL CONNECTIONS SHALL BE HUGGER BAND WITH O-RING GASKETS.</div> <div>33. ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED TO LINES AND GRADES SHOWN AND AS DETAILED ON THE DRAWINGS. ALL MANHOLE/CLEANOUT TOP ELEVATIONS ON CIVIL DRAWINGS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MANHOLE/CLEANOUT TOPS ARE FLUSH WITH PAVEMENT THROUGHOUT THE PROJECT.</div> <div>34. THE CONTRACTOR SHALL PROVIDE STANDARD CLEAN-OUTS OR MANHOLES AT ALL BENDS AND CHANGES IN GRADE IN SEWER LINES AND CONNECTIONS TO EXISTING SEWER LINES. PIPE BEDDING AND BACKFILL SHALL BE CAREFULLY CONTROLLED. ALL SANITARY SEWER WORK SHALL COMPLY WITH LOCAL CODES AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING WITH THE LOCAL AND STATE SEWER APPROVAL AUTHORITIES TO INSURE THAT ALL MATERIALS, INSTALLATION, TESTING, AND AS-BUILT DRAWING REQUIREMENTS WILL BE TO THE SATISFACTION OF THE LOCAL AND STATE AUTHORITIES.</div> <div>35. ALL UTILITY TRENCHES SHALL BE THOROUGHLY COMPACTED AND TESTED TO PREVENT SETTLEMENT AND DAMAGE TO FUTURE PAVEMENT AND STRUCTURES.</div> <div>36. ASPHALT PAVING SHALL BE CONSTRUCTED ON A PREPARED AND WELL-DRAINED SUBGRADE COMPACTED AS SPECIFIED. THE BASE COURSE SHALL BE CONSTRUCTED WITH 8" GRADED AGGREGATE. THE BINDER COURSE SHALL BE CONSTRUCTED WITH 2" COMPACTED THICKNESS ASPHALT CONCRETE. THE SURFACE COURSE (COMPLETED THROUGH SEPARATE CONTRACTS)SHALL BE CONSTRUCTED WITH 2" COMPACTED THICKNESS ASPHALT CONCRETE. ALL PAVING WORK (MATERIALS AND CONSTRUCTION) SHALL COMPLY WITH STATE SPECIFICATIONS.</div> <div>37. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED WITH 3,000 PSI CONCRETE, 4" THICK NON-REINFORCED WITH JOINTS AS SHOWN ON DETAILS. THERE SHALL BE CONTROL JOINTS INSTALLED EVERY 5 FEET ALONG SIDEWALK.</div> <div>38. ALL AREAS NOT COVERED BY CONCRETE AND PAVEMENT SHALL RECEIVE TOPSOIL AND BE GRASSED IN ACCORDANCE WITH SPECIFICATIONS.</div> <div>39. SCDOT CONCRETE CURB AND GUTTER SHALL BE 18" WIDE WITH 6" CURB CONSTRUCTED WITH 3,000 PSI CONCRETE WITH EXPANSION JOINTS AND CONTRACTION JOINTS INSTALLED TO COMPLY WITH SCDOT STANDARD SPECIFICATION FOR MATERIALS CONSTRUCTION OF CURB AND GUTTER.</div> <div>40. THE GRADING CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDINGS AT ALL TIMES. CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY AREAS THAT MAY NOT DRAIN PROPERLY DURING CONSTRUCTION.</div> <div>41. CONTRACTOR SHALL INCLUDE IN COST ALL WETTING/DRYING OF SOILS NECESSARY TO ACHIEVE COMPACTION PER SPECIFICATIONS.</div> <div>42. THE SEQUENCE OF WORK SHALL CONFORM TO THE EROSION CONTROL NARRATIVE.</div> <div>43. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE WHEN INSTRUCTIONS FROM REGULATORY AGENCIES ARE RECEIVED AND COMPLY WITH INSTRUCTIONS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.</div> <div>44. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONSTRUCTION DOCUMENTS AND SHALL AT ONCE REPORT TO THE ENGINEER ANY INCONSISTENCIES OR OMISSIONS DISCOVERED. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS TO VERIFY THAT ALL LOCATIONS ARE CORRECT PRIOR TO COMMENCING CONSTRUCTION.</div> <div>45. THE CONTRACTOR SHALL NOT PERFORM ANY WORK ON ANY UTILITIES OR IN ANY PUBLIC RIGHT-OF-WAY UNTIL HE HAS OBTAINED COPIES OF ALL NECESSARY ENCROACHMENT AND CONSTRUCTION PERMITS.</div> <div>46. ROCK EXCAVATION SHALL BE CLASSIFIED AS FOLLOWS:<div>a. MASSIVE ROCK EXCAVATION - ANY MATERIAL WHICH CANNOT BE EXCAVATED WITH A SINGLE TOOTH RIPPER DRAWN BY A CRAWLER TRACTOR HAVING A MINIMUM DRAW BAR RATED AT NOT LESS THAN 53,000 POUNDS (CATERPILLAR D-8 OR EQUIVALENT) AND OCCUPYING AN ORIGINAL VOLUME OF AT LEAST ONE CUBIC YARD OR MORE</div><div>b. TRENCH EXCAVATION - MATERIAL WHICH CANNOT BE EXCAVATED WITH A POWER SHOVEL HAVING THE CAPACITY OF AT LEAST THAT OF A CATERPILLAR 225 AND OCCUPYING AN ORIGINAL VOLUME OF AT LEAST ½ CUBIC YARD OR MORE.</div></div> <div>47. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ANY EXISTING UTILITIES NECESSARY FOR SITE CONSTRUCTION INCLUDING ALL PERMITS AND FEES.</div> <div>48. THE CONTRACTOR SHALL VERIFY BENCH MARK LOCATION AND ELEVATION WITH SURVEYOR BEFORE BEGINNING CONSTRUCTION.</div> <div>49. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EASEMENTS ON THE SITE BEFORE PROCEEDING WITH CONSTRUCTION.</div> <div>50. IN THE CASE OF A CONFLICT IN SPECIFICATIONS, NOTES, PLANS, OR DETAILS, THE STRICTER SHALL GOVERN.</div> <div>51. THE GEOTECHNICAL REPORT WAS PREPARED BY AN INDEPENDENT TESTING COMPANY AND IS INCLUDED IN THE DOCUMENTS FOR INFORMATION ONLY. NEITHER THE OWNER NOR THE ENGINEER WARRANTS THE INFORMATION CONTAINED IN THE SUBSURFACE EXPLORATION REPORT. BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL MAKE HIS OWN INDEPENDENT SUBSURFACE INSPECTION AND EVALUATION. THE CONTRACTOR'S OWN PITS, SUBSURFACE DRAINAGE, AND UNDERCUTTING IF REQUIRED. THE SOILS ENGINEER SHALL APPROVE ALL MEANS AND METHODS OF CONSTRUCTION RELATED TO SITEWORK ON THIS PROJECT. THE CONTRACTOR SHALL CONTACT THE SOILS ENGINEER BEFORE SUBMITTING HIS BID AND OBTAIN APPROVAL OF HIS MEANS AND METHODS OF CONSTRUCTION.</div> <div>52. ALL SITES NOT REQUIRED FOR ACTUAL CONSTRUCTION SHOULD BE PRESERVED IN EXISTING CONDITION. ANY AREAS UTILIZED BY THE CONTRACTOR FOR STORAGE, PARKING, ETC. SHOULD HAVE ADVANCE WRITTEN APPROVAL FROM THE ENGINEER AND/OR OWNER OF PROPERTY AND SHALL BE THOROUGHLY RESTORED AT NO EXPENSE TO THE CITY IN THE MANNER PROVIDED IN THE CONTRACT FOR SEEDING, FERTILIZING, AND MULCHING.</div> <div>53. ALL CHANGES INVOLVING INCREASED COST TO THE PRODUCT MUST BE SPECIFICALLY AUTHORIZED BY THE CITY ENGINEER.</div> <div>54. A LIST OF KNOWN OWNERS OF UTILITIES ON THE PROJECT ARE LISTED BELOW. ALL UTILITY COMPANIES HAVE OFFICES IN GREENVILLE, SC.<div><div>UTILITY CABLE ELECTRIC GAS SANITARY SEWER TELEPHONE WATER</div><div>OWNER CHARTER COMMUNICATIONS DUKE ENERGY PIEDMONT NATURAL GAS CITY OF GREENVILLE AT&T GREENVILLE WATER SYSTEM</div></div></div> <div>55. THE EXTENT OF CLEARING AND GRUBBING SHALL BE TO THE CONSTRUCTION LIMITS, EXCEPT AS DIRECTED BY THE ENGINEER.</div> <div>56. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON TRAFFIC CONTROL. THE CONTRACTOR SHALL COMPLY WITH THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT) TRAFFIC CONTROL MEASURES AS ADDRESSED IN THE M.U.T.C.D., 2000 MILLENIUM EDITION.</div> <div>57. QUANTITIES SHOWN ON THE PLANS ARE BASED ON EXISTING FIELD CONDITIONS AT THE TIME OF PLAN AND PREPARATION AND ARE TO BE USED FOR THE PREPARATION OF PROPOSALS. AS DETERMINED BY THE ENGINEER, QUANTITIES MAY CHANGE BASED UPON CONDITIONS UNCOVERED AT THE TIME OF CONSTRUCTION.</div> <div>58. CONSTRUCTION OF DRIVEWAYS AND DRIVEWAY TIES: UNLESS OTHERWISE DIRECTED IN THE PLANS, THE CONTRACTOR SHALL CONSTRUCT EACH DRIVEWAY PER THE CITY OF GREENVILLE'S DRIVEWAY STANDARD, AS SHOWN IN THE STANDARD DETAILS. AREAS FOR DRIVEWAY TIE-INS ARE MEASURED FROM THE BACK OF CONCRETE DRIVEWAY APRON TO THE LIMITS OF CONSTRUCTION, AS SHOWN IN THE PLANS AND CROSS-SECTIONS. CONTRACTOR SHALL REFER TO THE STANDARD DETAILS FOR DRIVEWAY TIE-INS. DRIVEWAYS SHALL BE MAINTAINED AND KEPT IN USE AT ALL TIMES.</div>	
<div>Haywood Road Sidewalks</div> <div>CITY OF GREENVILLE</div> <div>GREENVILLE, S.C.</div> <div>GENERAL NOTES</div>		<div>PROJECT NO. XXXXX</div> <div>DATE 12/1/2016</div> <div>DRAWN BY NDD</div> <div>CHECKED BY CL</div>	
DRAWING NO.		3	

3. THE CITY OF GREENVILLE CONSTRUCTION INSPECTION BUREAU SHALL BE NOTIFIED BY THE PERMIT HOLDER AT (864) 467-8890 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING CONSTRUCTION. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES.
2. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED AND FUNCTIONING PRIOR TO BEGINNING ANY PROJECT EARTH DISTURBING ACTIVITIES.
3. ALL SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED UNTIL CONSTRUCTION IS COMPLETE, THE SITE IS PERMANENTLY STABILIZED, AND THE NOTICE OF TERMINATION (NOT) IS FILED WITH SCDHEC.
4. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS PERMANENTLY STABILIZED.
5. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS. DAMAGED, INEFFECTIVE OR INCORRECTLY INSTALLED DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY, WITHIN 48 HOURS OF IDENTIFICATION.
6. ALL INSPECTION RECORDS SHALL BE DOCUMENTED IN WRITTEN FORM AND CATALOGUED IN A RECORD KEEPING BINDER FOR THE PROJECT (SWPPP BOOK). THE CITY MAY REQUIRE ELECTRONIC SUBMISSION OF WEEKLY INSPECTION RECORDS.
7. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT AREA, AND CUMULATIVE PRECIPITATION DEPTH SHALL BE RECORDED WITH WEEKLY INSPECTION DOCUMENTATION. ALL RAINFALL EVENTS 0.5" AND GREATER, AS RECORDED ONSITE OR BY A WEATHER STATION IN REASONABLE PROXIMITY TO THE PROJECT, SHALL ALSO BE DOCUMENTED WITH THE WEEKLY INSPECTION REPORTS.
8. ALL EROSION PREVENTION AND SEDIMENT CONTROL PLANS AND INSPECTION DOCUMENTATION (E.G. SWPPP BOOK, CERTIFICATION STATEMENTS, INSPECTION RECORDS, MAINTENANCE RECORDS, AND RAINFALL DATA) SHALL BE RETAINED AT THE CONSTRUCTION SITE OR, IF APPROVED BY THE CITY, AT A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED. ALL PLANS AND DOCUMENTS SHALL BE UPDATED AS REQUIRED PER SC NPDES GENERAL PERMIT SCR100000.
9. IF EXISTING BMP'S NEED TO BE MODIFIED OR IF ADDITIONAL BMP'S ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMP'S MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
10. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:
 - A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
11. THE SITE SHALL BE CONSIDERED PERMANENTLY STABILIZED WHEN ALL SURFACE DISTURBING ACTIVITIES ARE COMPLETE AND EITHER OF THE TWO FOLLOWING CRITERIA IS MET:
 - A. A UNIFORM (E.G. EVENLY DISTURBED, WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, OR
 - B. EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS RIP RAP, GABIONS, OR GEOTEXTILES) HAVE BEEN EMPLOYED.

AREAS TO BE GRASSED SHALL BE DEFINED AS ALL AREAS OF SITE WITHIN THE GRADING LIMITS AND NOT OCCUPIED BY PAVING, CRUSHED STONE SURFACING OR STRUCTURES. GRASSING SHALL INCLUDE FINAL SHAPING, LIMING, FERTILIZING AND SEEDING.

LIME SHALL BE AGRICULTURAL GRADE, GROUND LESTONE. GROUND LESTONE SHALL CONTAIN NOT LESS THAN 88% OF CALCIUM CARBONATE CONTENT EQUIVALENT AND SHALL BE SUCH A FINENESS THAT 90% WILL PASS THROUGH A NO. 10 SIEVE AND NOT LESS THAN 50% THROUGH A NO. 50 SIEVE.

FERTILIZER SHALL BE GRADE 10-10-10 COMPLETE FERTILIZER OF UNIFORM COMPOSITION, FREE-FLOWING AND SUITABLE FOR APPLICATION WITH EQUIPMENT, DELIVERED TO SITE IN BAGS LABELED WITH MANUFACTURER'S GUARANTEED ANALYSIS, AND SHALL CONFORM TO ALL STATE AND FEDERAL REGULATIONS.

SEEDS SHALL BE MIXTURE AS APPROVED BY TE ENGINEER AND SHALL MEET REQUIREMENTS OF SEED LAWS OF THE STATE AND THE U.S. DEPARTMENT OF AGRICULTURE RULES AND REGULATIONS UNDER FEDERAL SEED ACT IN EFFECT ON DATE BIDS ARE RECEIVED. SEED SHALL BE DELIVERED IN STANDARD CONTAINERS. SEED WHICH HAS BECOME WET, MOLDY OR DAMAGED IN TRANSIT OR STORAGE WILL NOT BE ACCEPTABLE.

MULCH SHALL CONSIST OF SMALL GRAIN STRAW OF GOOD QUALITY, CLEAN, FREE OF NOXIOUS WEEDS, AND REASONABLY FREE OF OTHER WEEDS. SPREAD MULCH AT A RATE OF 1 TON PER ACRE ON SLOPES UP TO 8.0% AND AT A RATE OF 1-1/2 TONS PER ACRE FROM 8.0% UP TO A SLOPE OF 15%.

SPREAD LIME AT A RATE OF 3,000 LBS PER ACRE.

FERTILIZER SHALL BE DISTRIBUTED UNIFORMLY AT A RATE OF 1,000 LBS PER ACRE AND SHALL BE INCORPORATED INTO SOIL TO A DEPTH OF AT LEAST 2" BY DISKING AND HARROWING.

SPREAD SEED AT A RATE IN ACCORDANCE WITH THE SOUTH CAROLINA HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.

IMMEDIATELY AFTER FERTILIZING AND SEEDING HAVE BEEN COMPLETED, ENTIRE AREA SHALL BE COMPACTED BY MEANS OF A CULTIPACKER, ROLLER, OR APPROVED EQUIPMENT WEIGHING APPROXIMATELY 90 LBS PER LINEAR FOOT OR ROLLER. USE OF SPECIFIED MULCH, APPLIED AT A RATE OF 1-2 TONS/ACRE (USE OF HIGHER RATE FOR 3 TO 1 SLOPES OR GREATER), WITH ASPHALT EMULSION TYPE SS-1, MS-2, RS-1, OR RS-2, SHALL BE USED TO PROTECT SITE AGAINST EROSION.

AREAS THAT REQUIRE RE-FERTILIZATION AND/OR RE-SEEDING WILL BE DESIGNATED BY THE ENGINEER. WHEN ANY PORTION OF SURFACE BECOMES GULLED OR OTHERWISE DAMAGED FOLLOWING SEEDING, OR SEEDLINGS HAVE BEEN WINTER-KILLED OR OTHERWISE DESTROYED, AFFECTED PORTION SHALL BE REPAIRED TO RE-ESTABLISH CONDITION AND GRADE OF SOIL PRIOR TO SEEDLING AND SHALL BE RE-SEEDED AS SPECIFIED ABOVE.

ALL DISTURBED AREAS ARE TO BE GRASSED IMMEDIATELY AFTER CONSTRUCTION IN THE AREA. AT NO TIME WILL AN AREA BE LEFT BARE FOR MORE THAN 14 DAYS AFTER COMPLETION OF CONSTRUCTION.

A STABILIZED ENTRANCE SHALL BE INSTALLED AND MAINTAINED ON THE PROJECT SITE. STORM WATER INLET PROTECTION SHALL BE PROVIDED FOR ALL INLETS (UPSTREAM AND DOWNSTREAM) WITHIN 50 FT OF THE CONSTRUCTION ENTRANCE OR DISTURBANCE (ON BOTH SIDES OF THE PUBLIC ROADWAY).

13. ALL EXISTING AND NEW STORM WATER STRUCTURES, AFFECTED BY THIS PROJECT, SHALL BE INSPECTED AND MAINTAINED CLEAN OF ACCUMULATED DEMOLITION DEBRIS OR SEDIMENTS.

14. DISPOSAL OF ALL RECOVERED SEDIMENTS AND CONSTRUCTION DEBRIS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS. NO SEDIMENT OR CONSTRUCTION DEBRIS SHALL BE FLUSHED DOWN THE STORMWATER SYSTEM.

15. DURING THE COURSE OF CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENT CONTROLS SHALL BE USED TO PREVENT TRACKING OF MUD AND/OR SEDIMENT ACCUMULATION ON PUBLIC ROADWAYS (INCLUDING STREET GUTTERS), SEDIMENT LADEN RUNOFF FROM ENTERING INTO EXISTING STORM WATER SYSTEM INLETS OR DEPOSITING ON ADJACENT PROPERTIES, AND AIRBORNE DUST MIGRATION OFF-SITE. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, BY SWEEPING OR VACUUMING, AS MAY BE REQUIRED.

16. TO SECURE THE PROJECT SITE, LOCATE LIMITS OF CONSTRUCTION, PROTECT AREAS THAT ARE TO REMAIN UNDISTURBED AND PREVENT MIGRATION OF CONSTRUCTION DEBRIS, ORANGE CONSTRUCTION FENCING SHALL BE INSTALLED AROUND AREAS NOT REQUIRING SILT FENCING. ANY ACCUMULATION OF CONSTRUCTION DEBRIS ON PUBLIC ROADWAYS OR ADJACENT PROPERTIES SHALL BE REMOVED WITHIN 24 HOURS. CARE SHALL BE TAKEN WHEN INSTALLING CONSTRUCTION FENCING TO NOT OBSCURE ONCOMING TRAFFIC AT INTERSECTIONS, ADJACENT DRIVEWAYS AND THE PROJECT CONSTRUCTION ENTRANCE.

17. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED IMMEDIATELY AFTER THE UTILITY INSTALLATION.

18. SILT FENCE SHALL BE INSTALLED ALONG LINES OF EQUAL ELEVATION. SILT FENCING SHALL BE INSTALLED NO CLOSER THAN 5 FEET DOWNHILL FROM THE TOE OF ANY SLOPE.

19. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. ALL WOS SHALL BE CLEARLY DELINEATED ON THE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

20. PROJECT SETBACK BUFFERS SHALL BE LOCATED A MINIMUM OF 30 FT. MEASURED FROM THE TOP OF STREAM BANK OR EDGE OF WETLAND, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. ALL SETBACKS SHALL BE CLEARLY DELINEATED ON THE EROSION PREVENTION AND SEDIMENT CONTROL PLANS.

21. A SINGLE ROW OF SILT FENCING SHALL BE INSTALLED ALONG ALL SETBACK BUFFERS THAT MEET THE MINIMUM REQUIREMENTS.

22. A DOUBLE ROW OF SILT FENCING SHALL BE INSTALLED IN ALL AREAS WHERE A MINIMUM SETBACK BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND THE WATER BODY OR WETLAND. DOUBLE ROW OF SILT FENCING SHALL BE PLACED NO CLOSER THAN 5 FT DOWNHILL FROM THE TOE OF ANY FILL AREA AND A MINIMUM OF 5 FT SPACING SHALL BE MAINTAINED BETWEEN SILT FENCE ROWS. A MINIMUM 5 FT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WATER BODIES AND WETLANDS.

23. STOCKPILES OF USEABLE OR WASTE MATERIALS SHALL BE SURROUNDED BY A ROW OF SILT FENCE AT ALL TIMES. STOCKPILES THAT ARE UNDISTURBED FOR MORE THAN FOURTEEN (14) DAYS SHALL HAVE APPROPRIATE STABILIZATION MEASURES INSTALLED. STOCKPILES SHALL BE PLACED A MINIMUM OF 50 FEET AWAY FROM STORM WATER FLOWS, STORMWATER INLET STRUCTURES, DRAINAGE COURSES, ADJACENT PROPERTY AND PUBLIC ROADWAYS.

24. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER), AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES.

25. TEMPORARY DIVERSION BERMS, DITCHES, OR SLOPE DRAINS SHALL BE PROVIDED FOR ALL SLOPES 3:1 OR STEEPER AND AS OTHERWISE NEEDED DURING CONSTRUCTION TO PROTECT AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

26. SLOPES 3:1 OR STEEPER AND/OR EXCEEDING EIGHT (8) VERTICAL FEET SHALL BE STABILIZED WITH STAKED IN PLACE SOD OR SYNTHETIC/VEGETATIVE MATS IN ADDITION TO HYDRO SEEDING AS SOON AS PRACTICAL BUT NOT MORE THAN 7 CALENDAR DAYS AFTER LAND DISTURBING ACTIVITIES ON THE SLOPE HAVE PERMANENTLY OR TEMPORARILY CEASED.

27. CAT RACK OR SURFACE ROUGHENING IS REQUIRED FOR ALL SLOPES 3:1 OR STEEPER PRIOR TO SEEDING AND LYING OF SYNTHETIC OR VEGETATIVE MATS. CAT TRACKING OR SURFACE ROUGHENING SHALL PRODUCE A SURFACE WITH FURROWS RUNNING CROSS SLOPE, PARALLEL WITH SLOPE CONTOURS, AND PERPENDICULAR TO SURFACE RUNOFF.

28. PORTABLE TOILET FACILITIES SHALL NOT BE LOCATED WITHIN 20 FEET OF ANY STORM WATER STRUCTURE AND/OR 50 FEET OF ANY WATER COURSE, WETLAND AREA, STREAM, FLOODPLAIN, OR LAKE.

29. THE FOLLOWING DISCHARGES ARE PROHIBITED:

A. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL

B. WASTEWATER FROM WASHOUT AND CLEANOUTS OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS.

C. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE

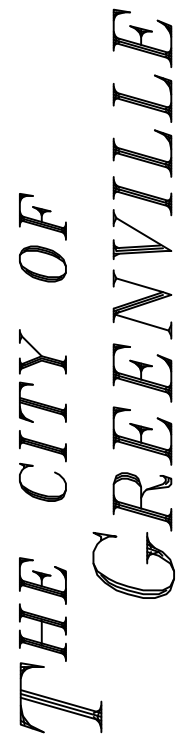
D. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING DURING CONSTRUCTION

30. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT TREATMENT PRIOR TO DISCHARGE.

31. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP'S (SEDIMENT BASIN, FILTER BAG, ETC.).

32. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR PROVIDE AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG 72-3000 ET. SEQ. AND SCR100000.

33. PROPERLY SIGNED AND SEALED AS-BUILT DRAWINGS OF THE STORMWATER PLAN AND A SIGNED AND SEALED DETENTION BASIN AS-BUILT SHALL BE SUBMITTED TO THE CITY WITHIN 30 DAYS OF THE PERMANENT STABILIZATION AND PRIOR TO ISSUANCE OF PROJECT ACCEPTANCE BY THE CITY.

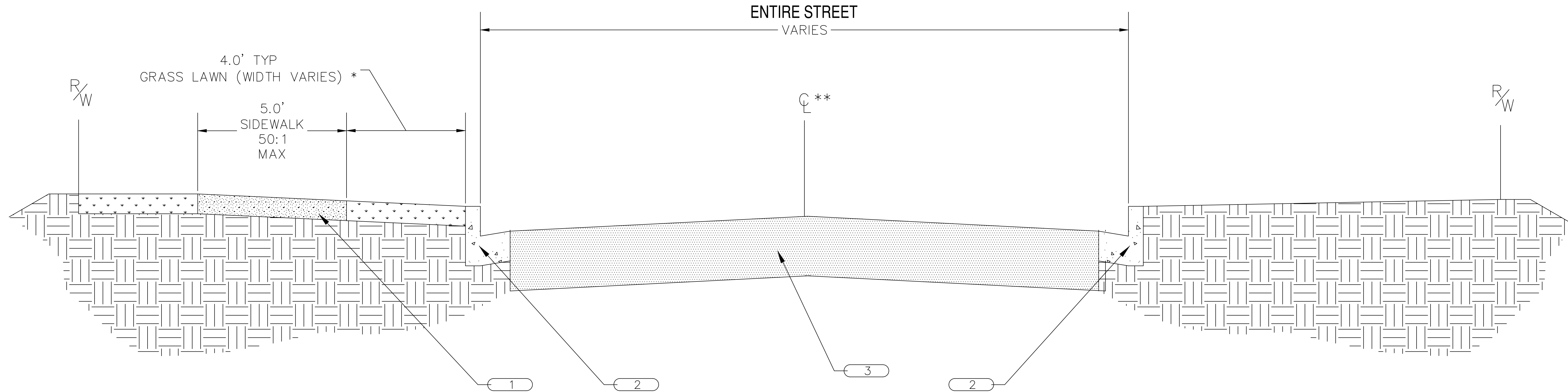


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PROJECT NO. XXXXXX	REVISION	No.	DATE	BY/CHKD
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Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.
EROSION CONTROL NOTES

DRAWING NO.
4



NOTE:
* SEE PLANS FOR VARIANCE OF CURB LAWN.
** BASELINE/CENTERLINE IS SHOWN ON THE PLANS. IT IS FOR LAYOUT PURPOSES ONLY. IT MAY OR MAY NOT BE THE CENTERLINE OF THE ROAD.
***CURB RAMPS AND DETECTABLE WARNING SURFACE ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS CHAPTER 720

LEGEND

1

CONCRETE SIDEWALK (5')

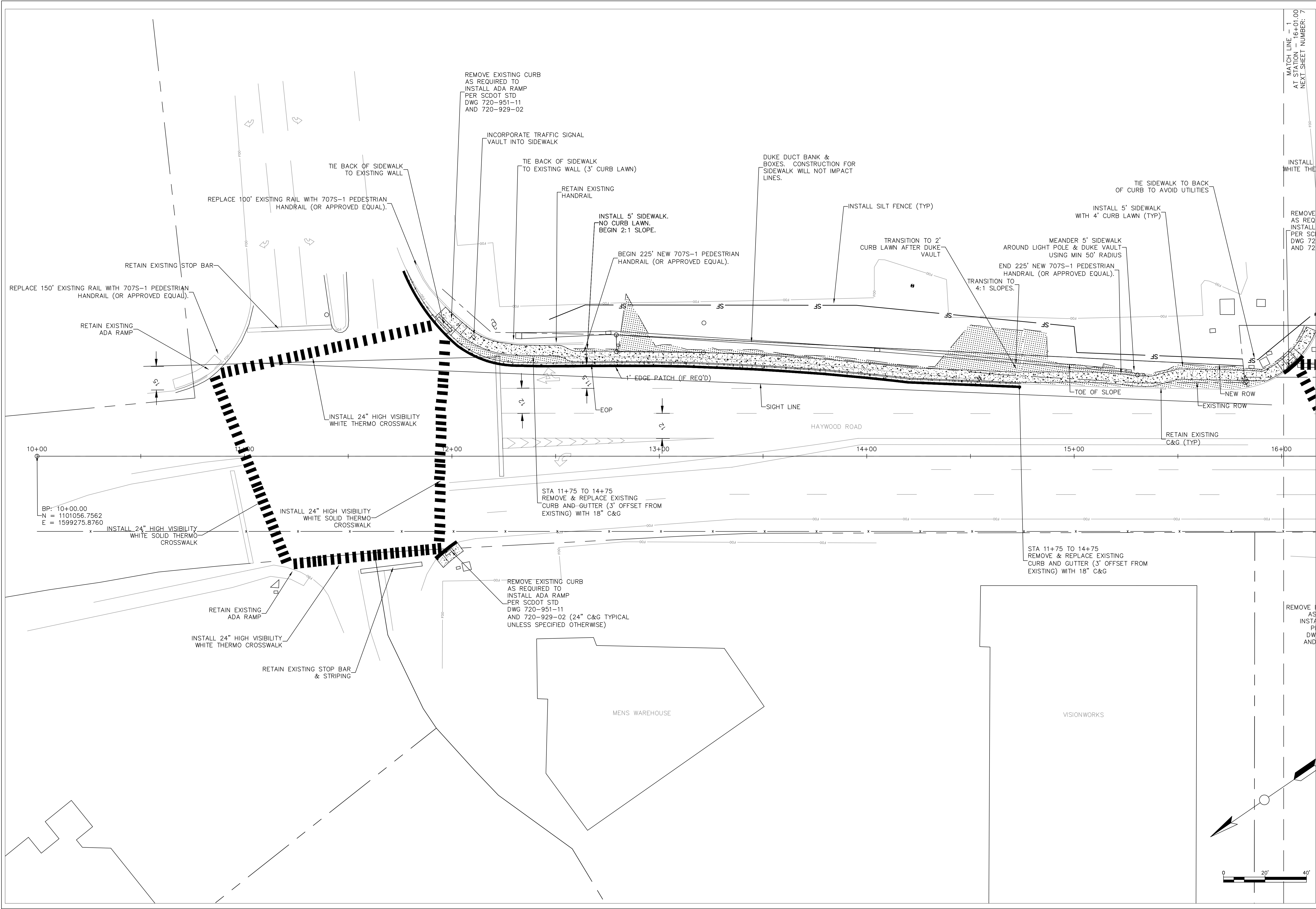
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EXISTING CONCRETE CURB AND GUTTER (1.5')

3

EXISTING PAVEMENT SECTION

DRAWING NO. 5				Haywood Road Sidewalks CITY OF GREENVILLE GREENVILLE, S.C. TYPICAL SECTION				THE CITY OF GREENVILLE P.O. BOX 2207 GREENVILLE, S.C.							
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THE CITY OF GREENVILLE
GREENVILLE, S.C.
P.O. BOX 2207

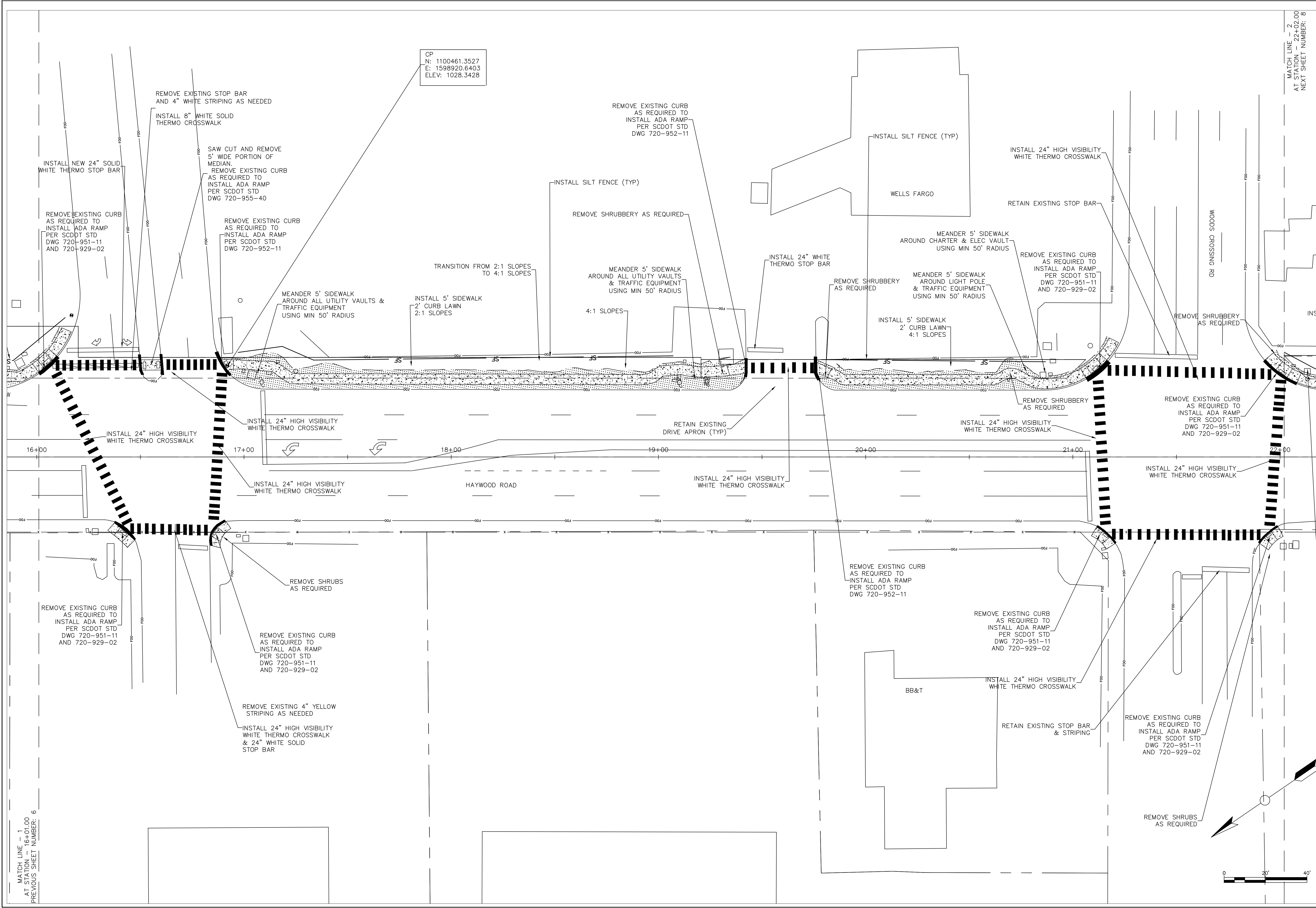
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Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.
Site Plan

DRAWING NO.

6





**THE CITY OF
GREENVILLE**
GREENVILLE, S.C.
P.O. BOX 2207

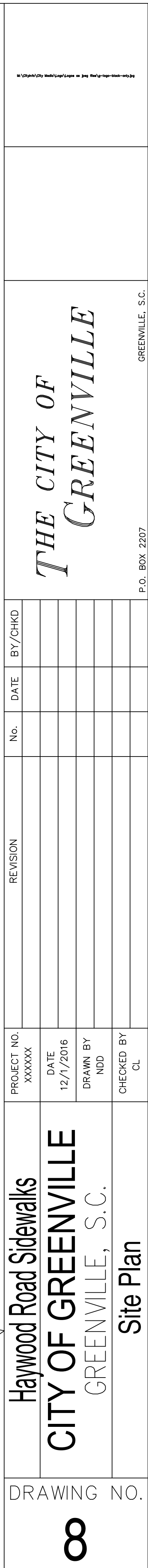
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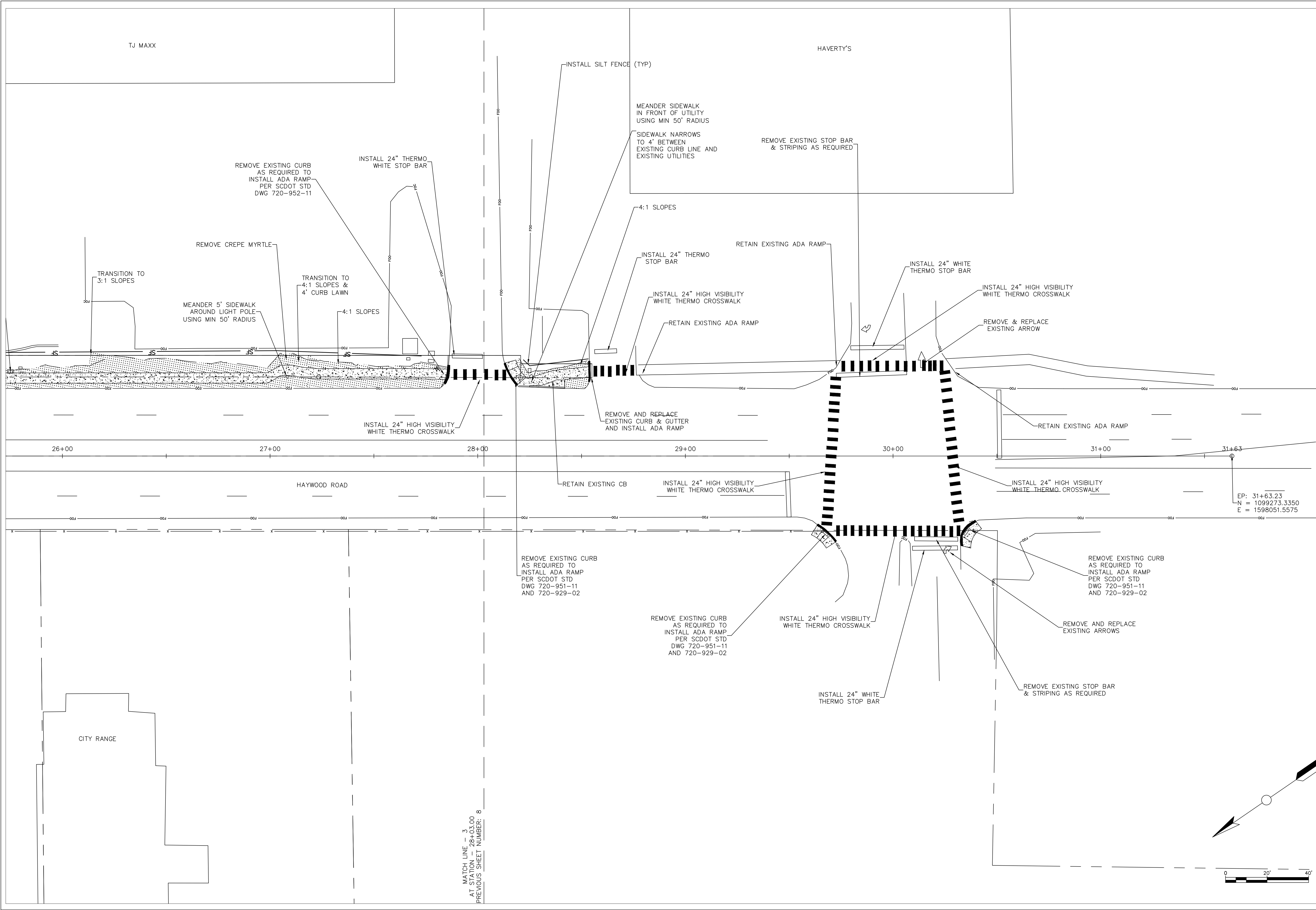
Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.


Site Plan

DRAWING NO.

7







THE CITY OF GREENVILLE
GREENVILLE, S.C.
P.O. BOX 2207

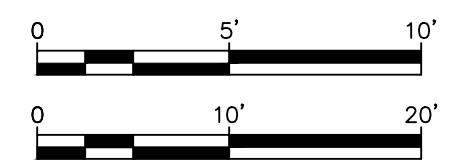
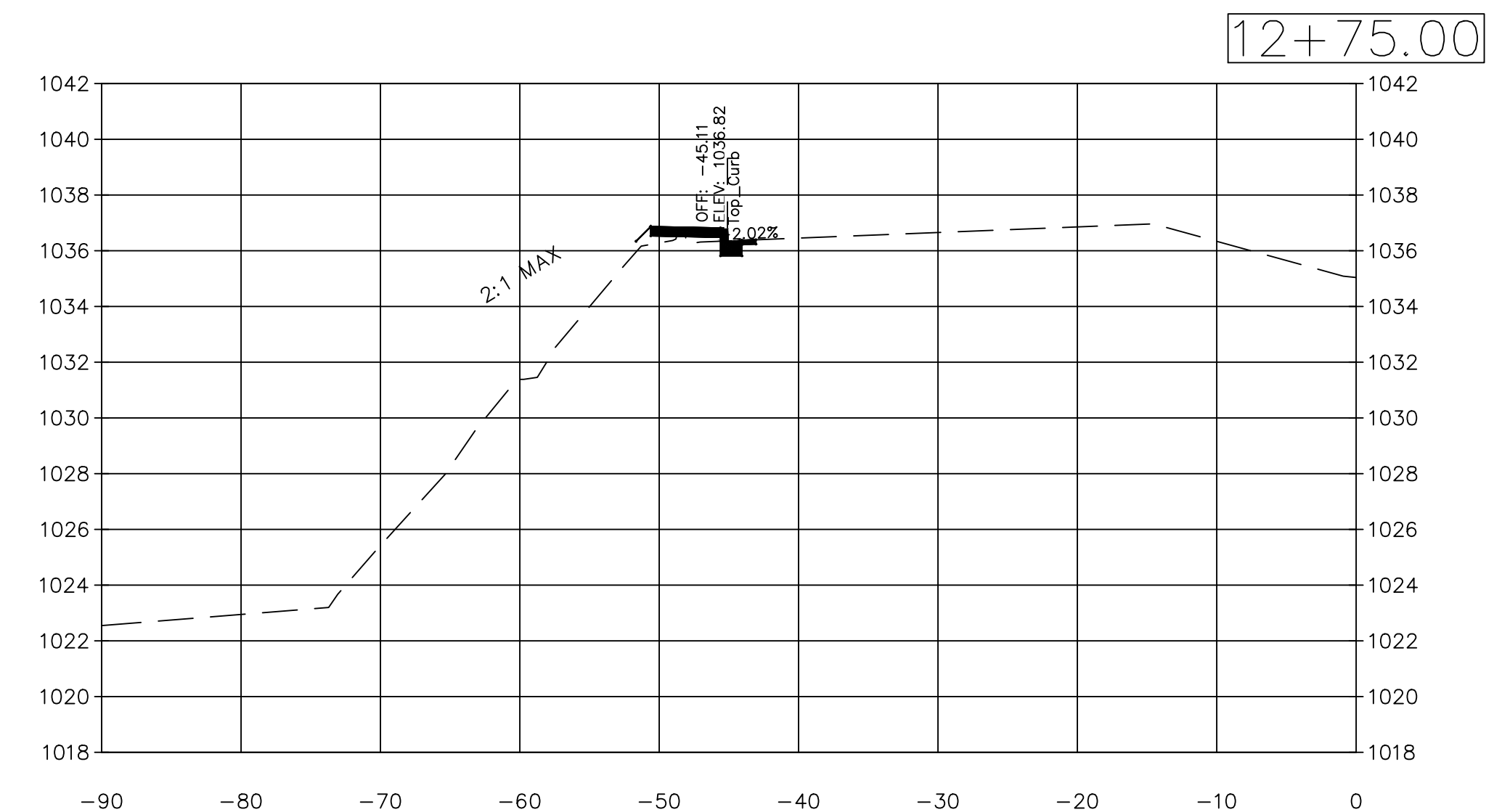
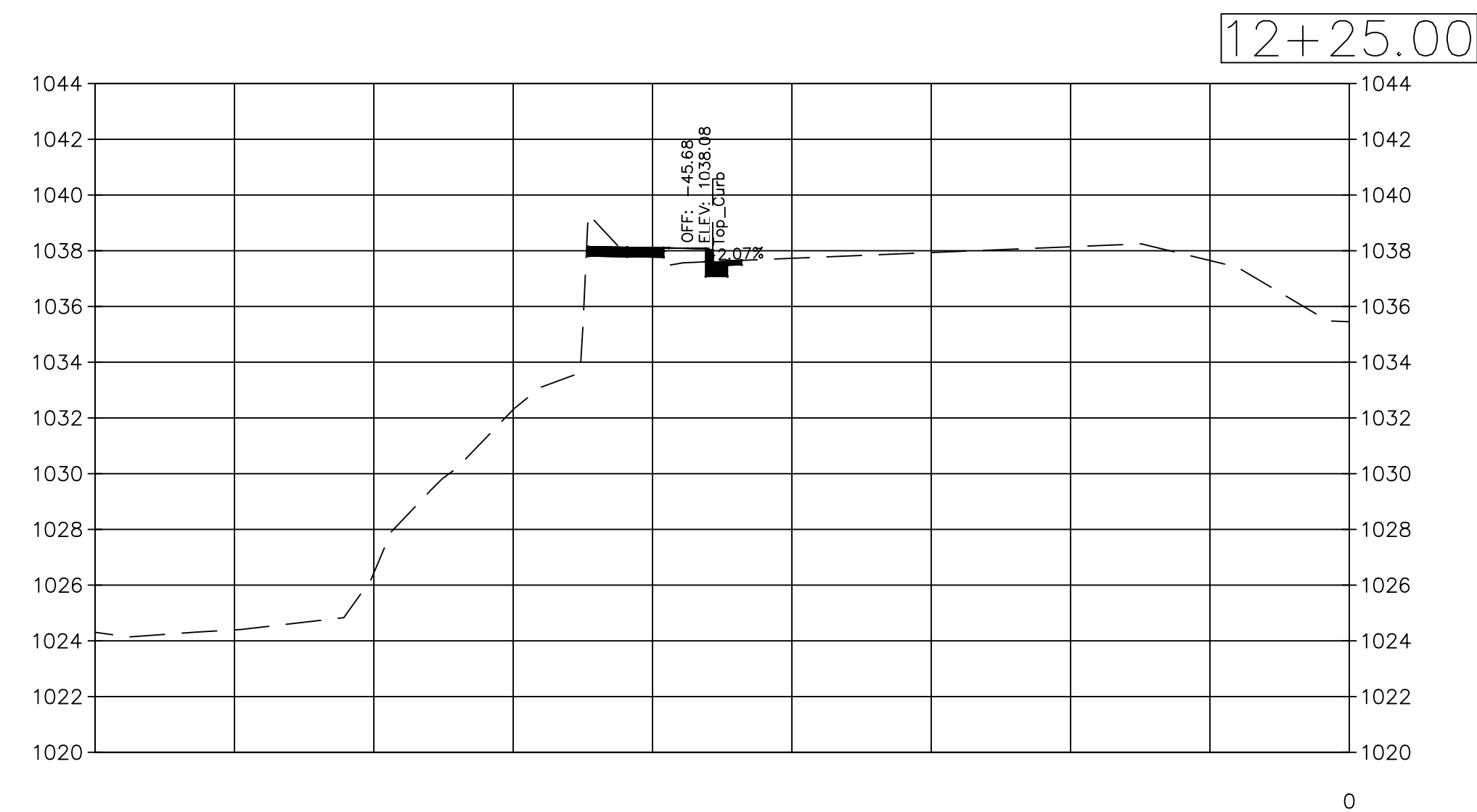
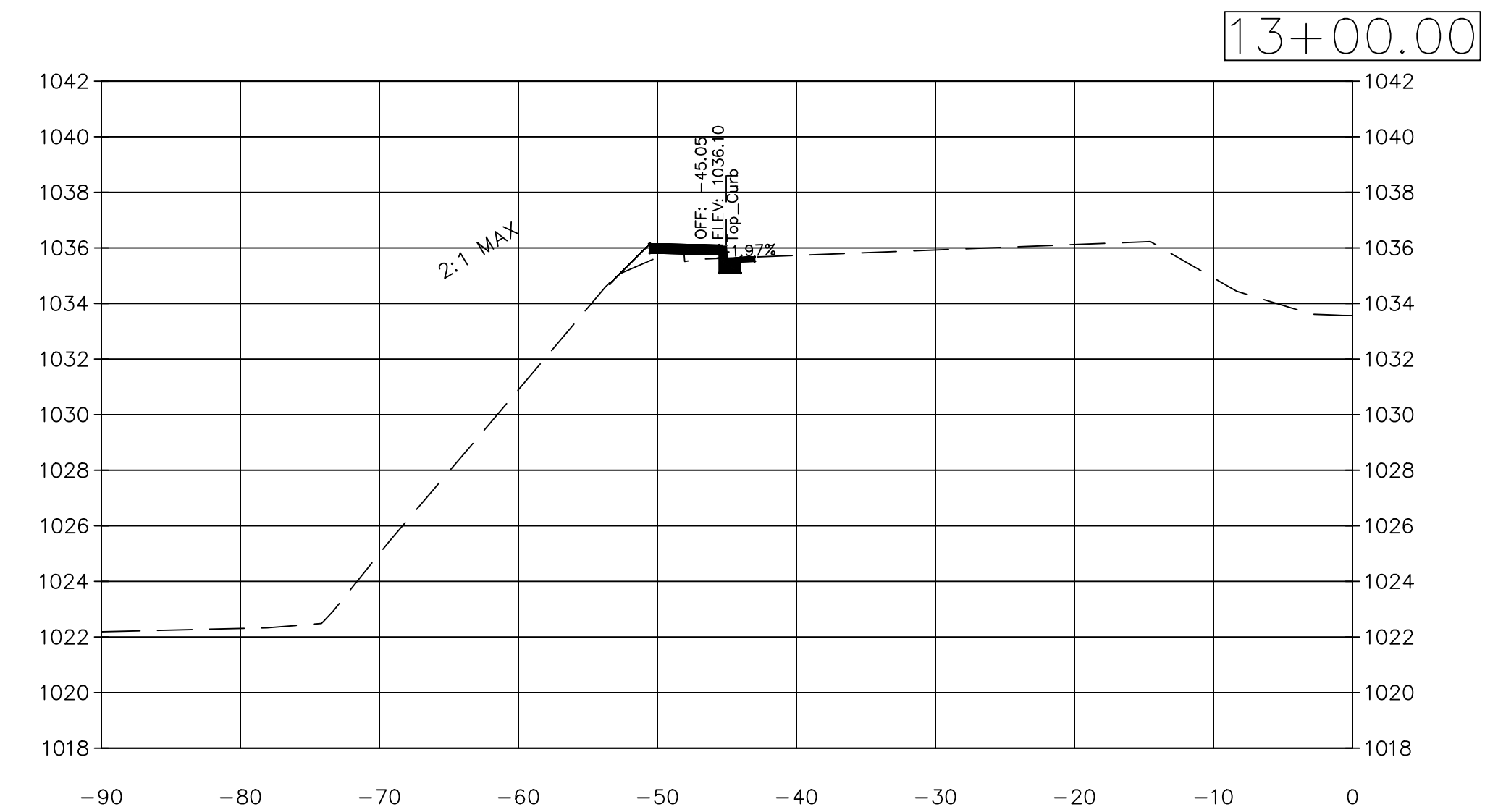
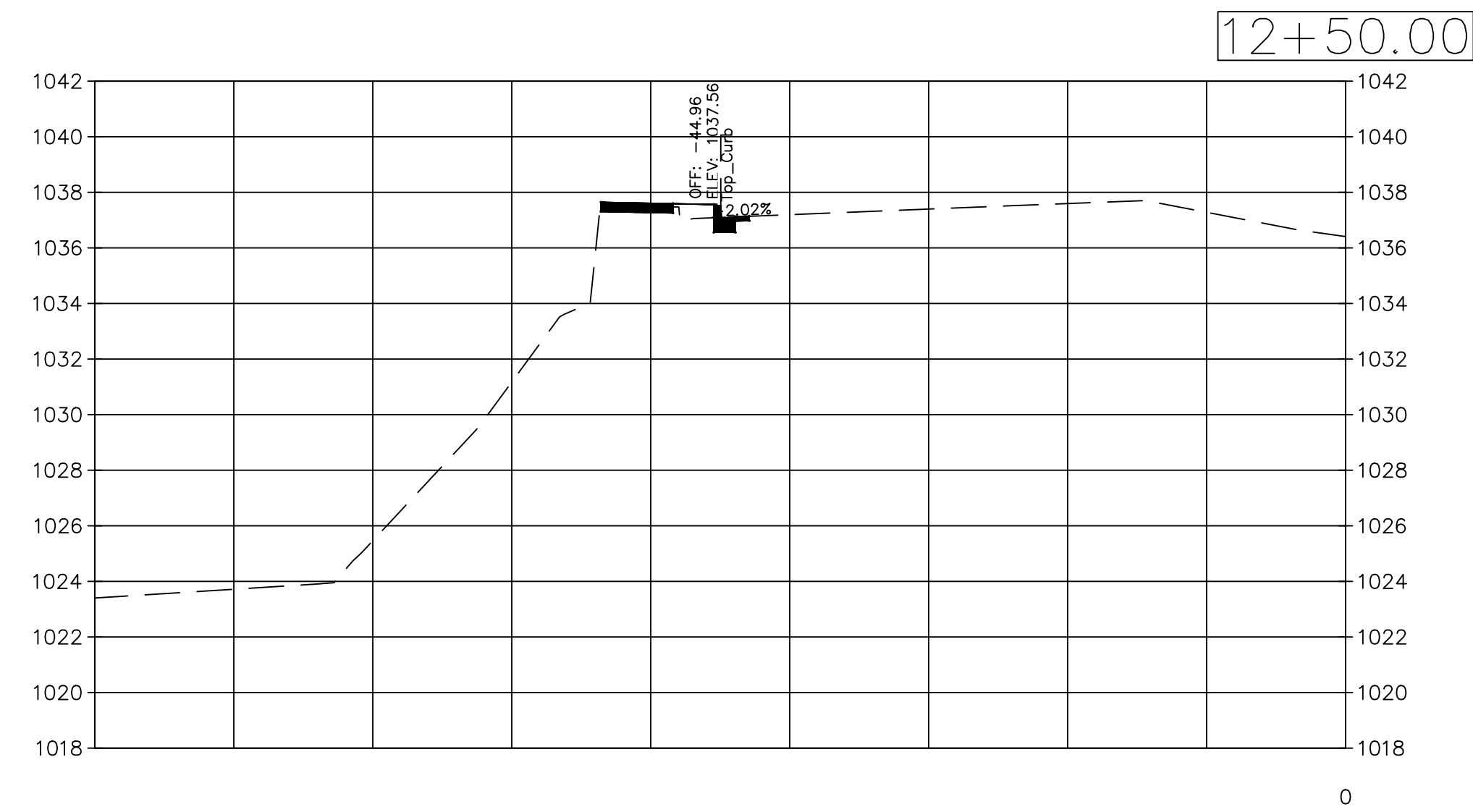
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Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.

Site Plan

DRAWING NO. **9**

*NOTE: ALL SIDEWALK HAS A MAX CROSS-SLOPE OF 2%



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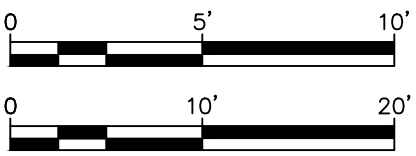
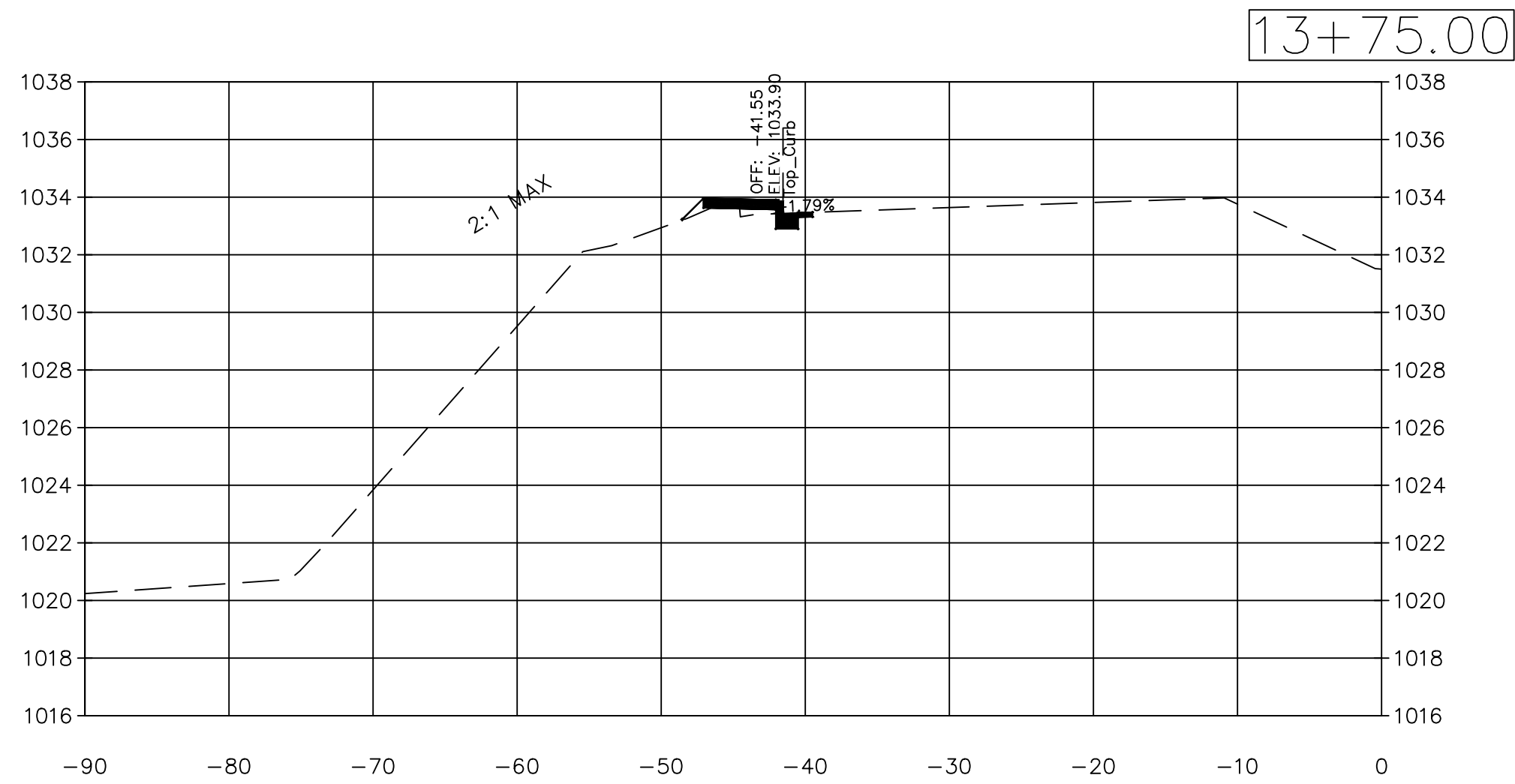
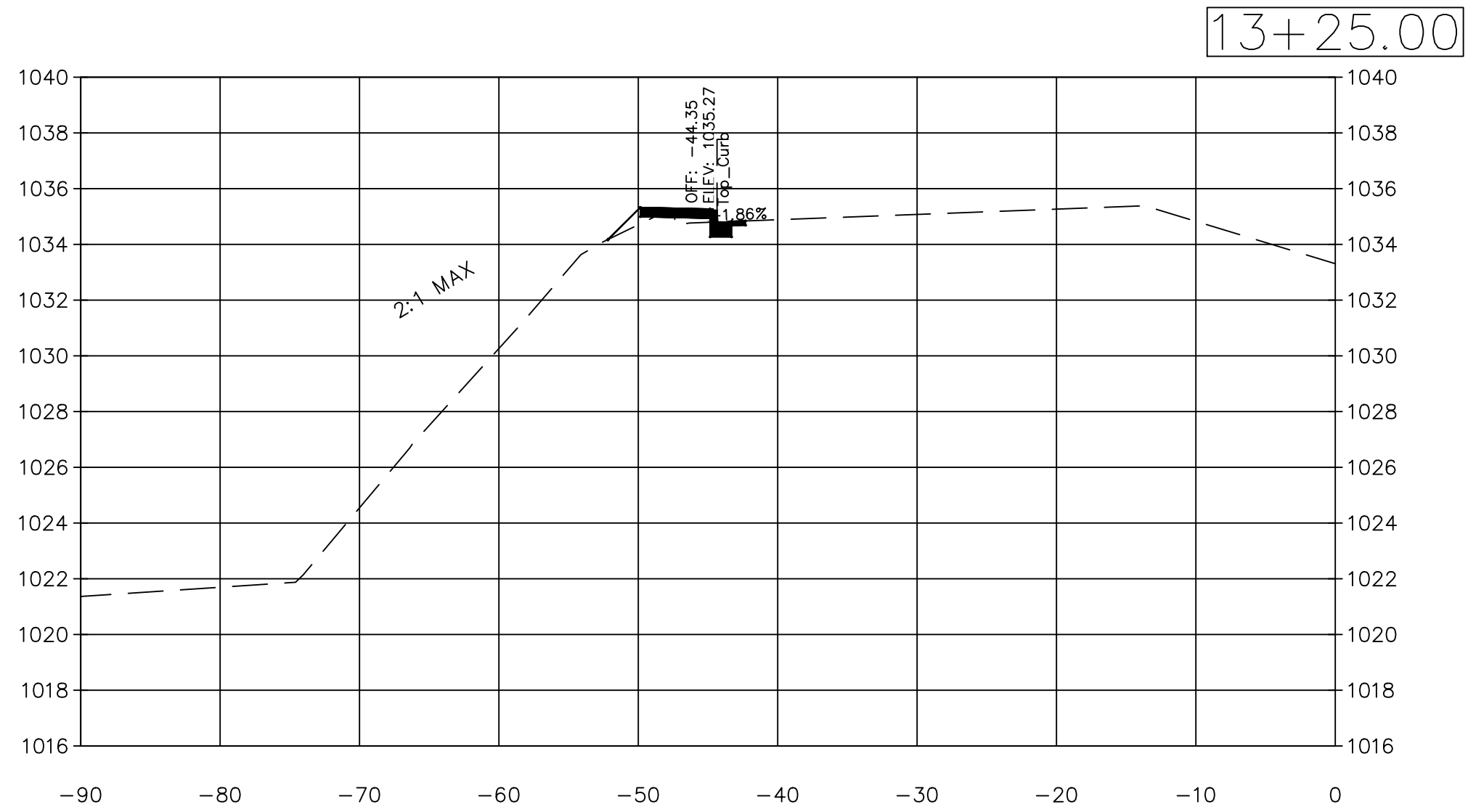
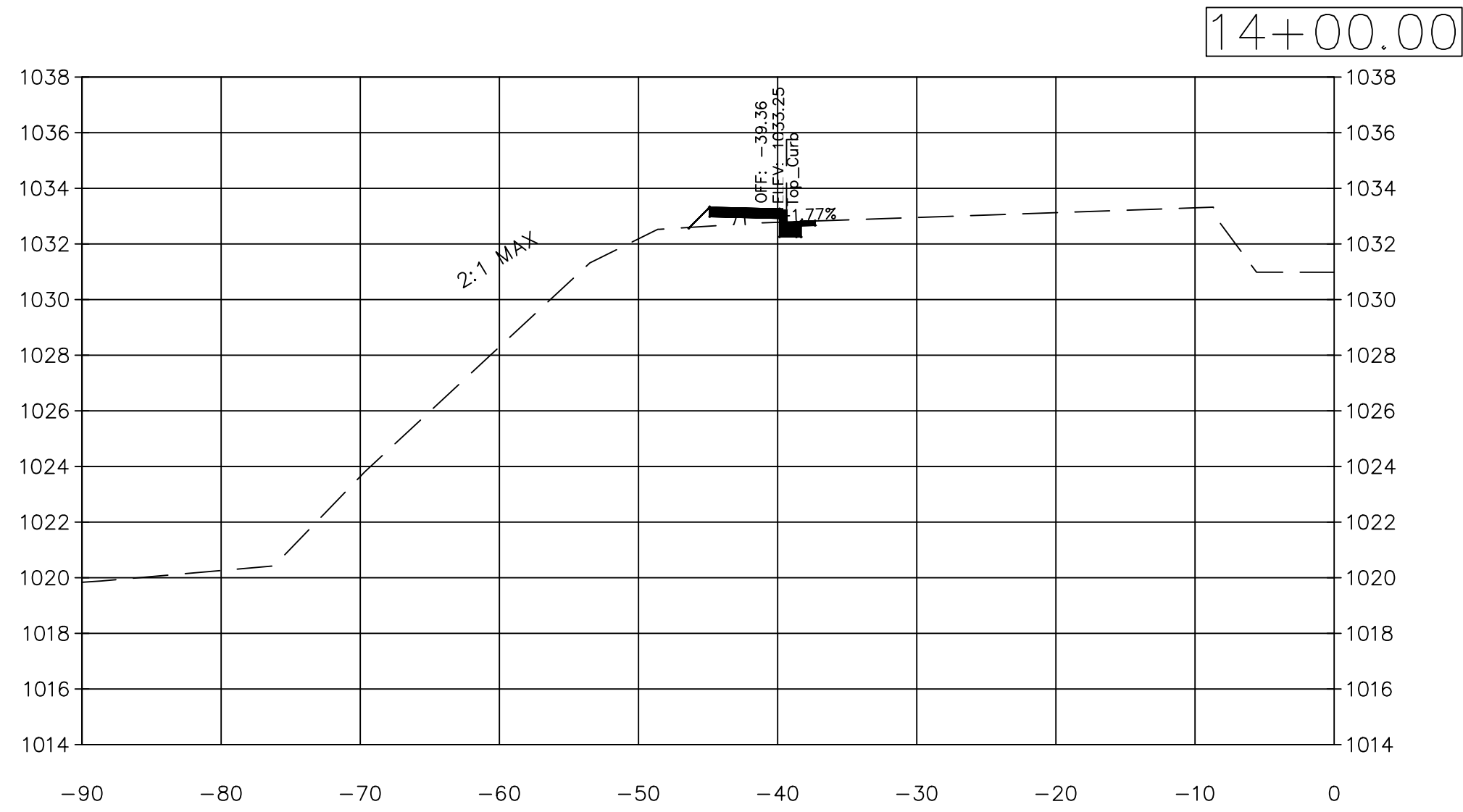
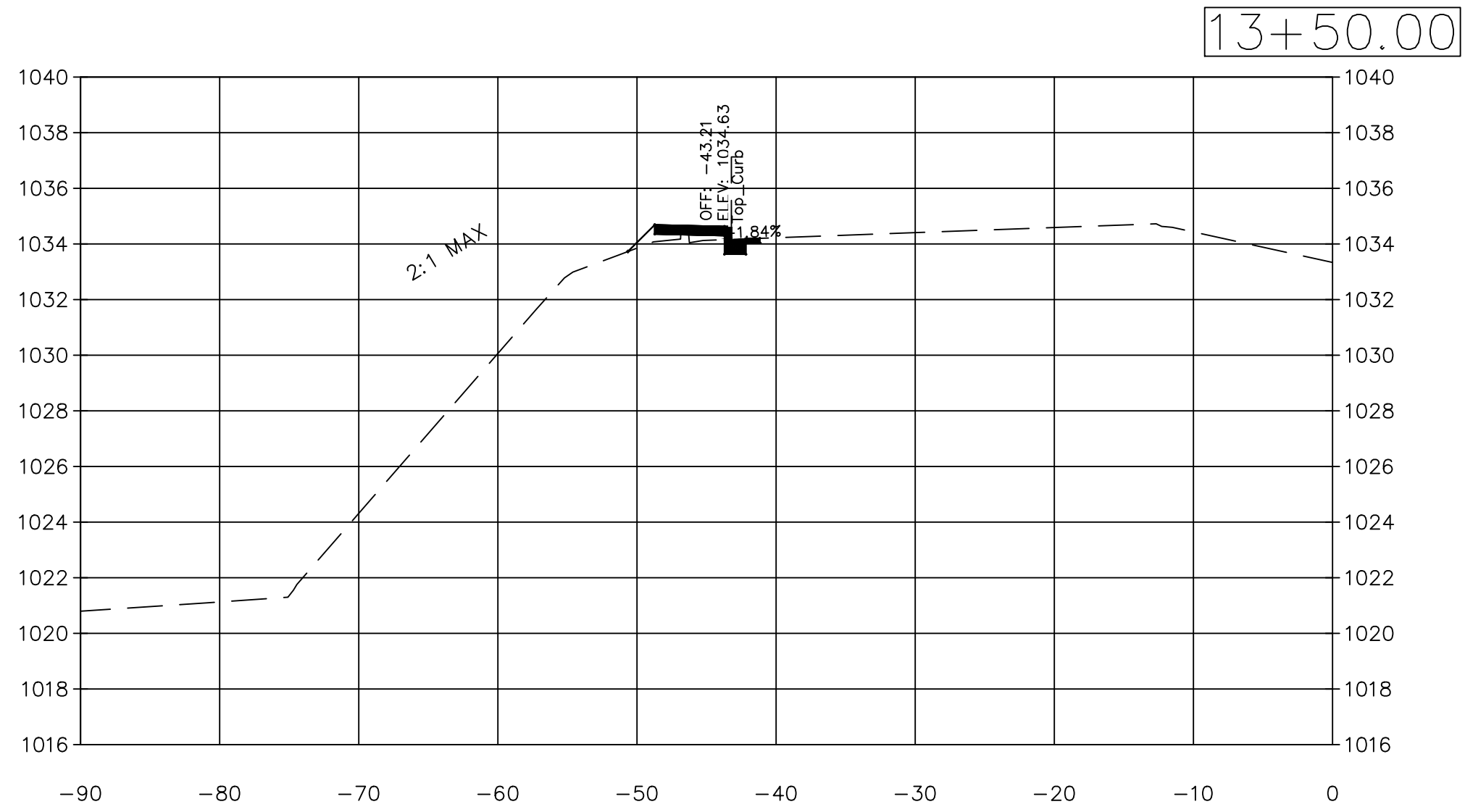
Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.

Cross sections

DRAWING NO.

XS-1

*NOTE: ALL SIDEWALK HAS A MAX CROSS-SLOPE OF 2%



THE CITY OF
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GREENVILLE, S.C.

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Haywood Road Sidewalks

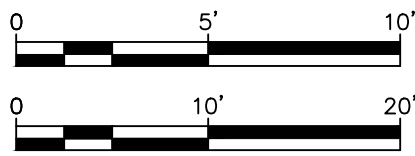
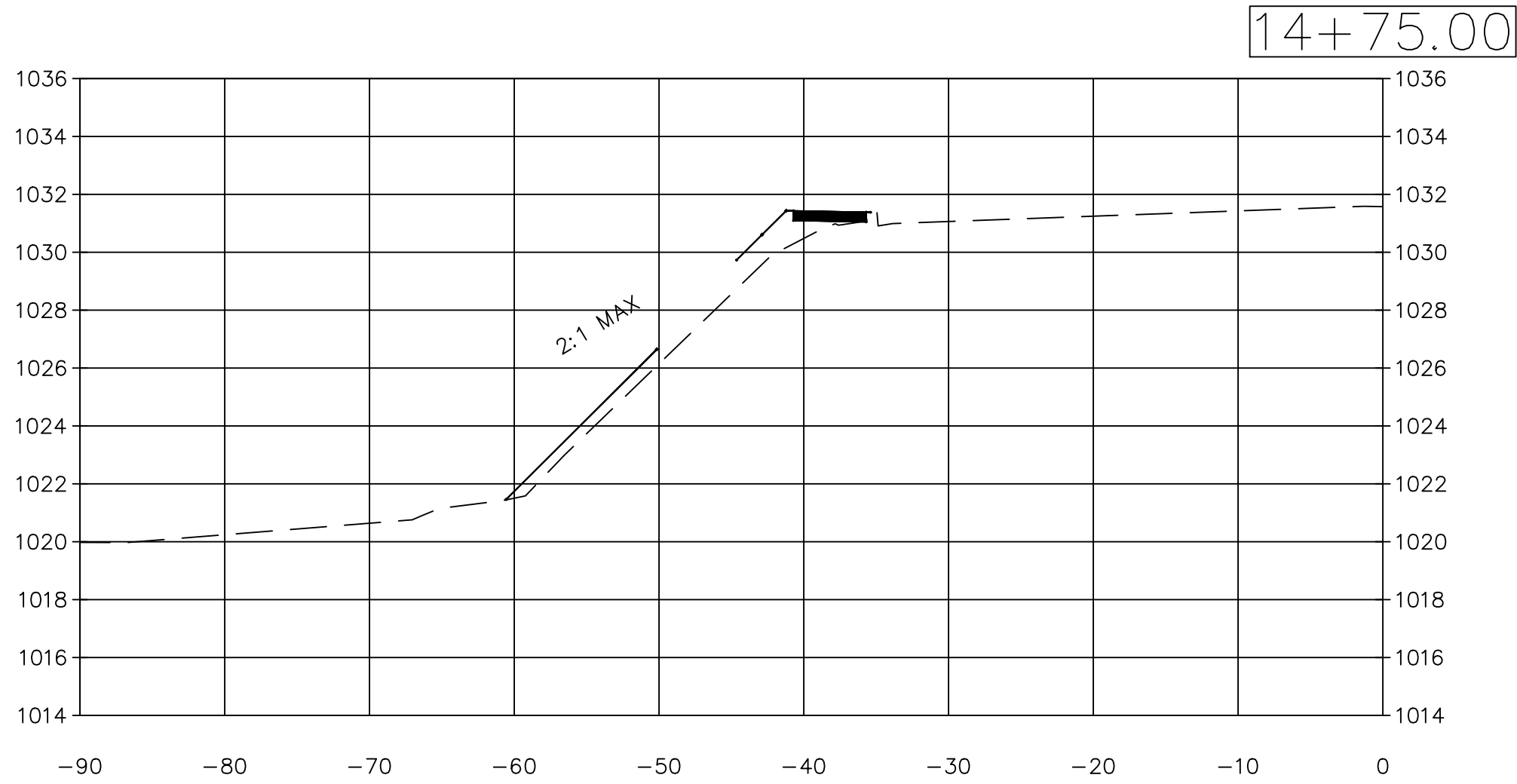
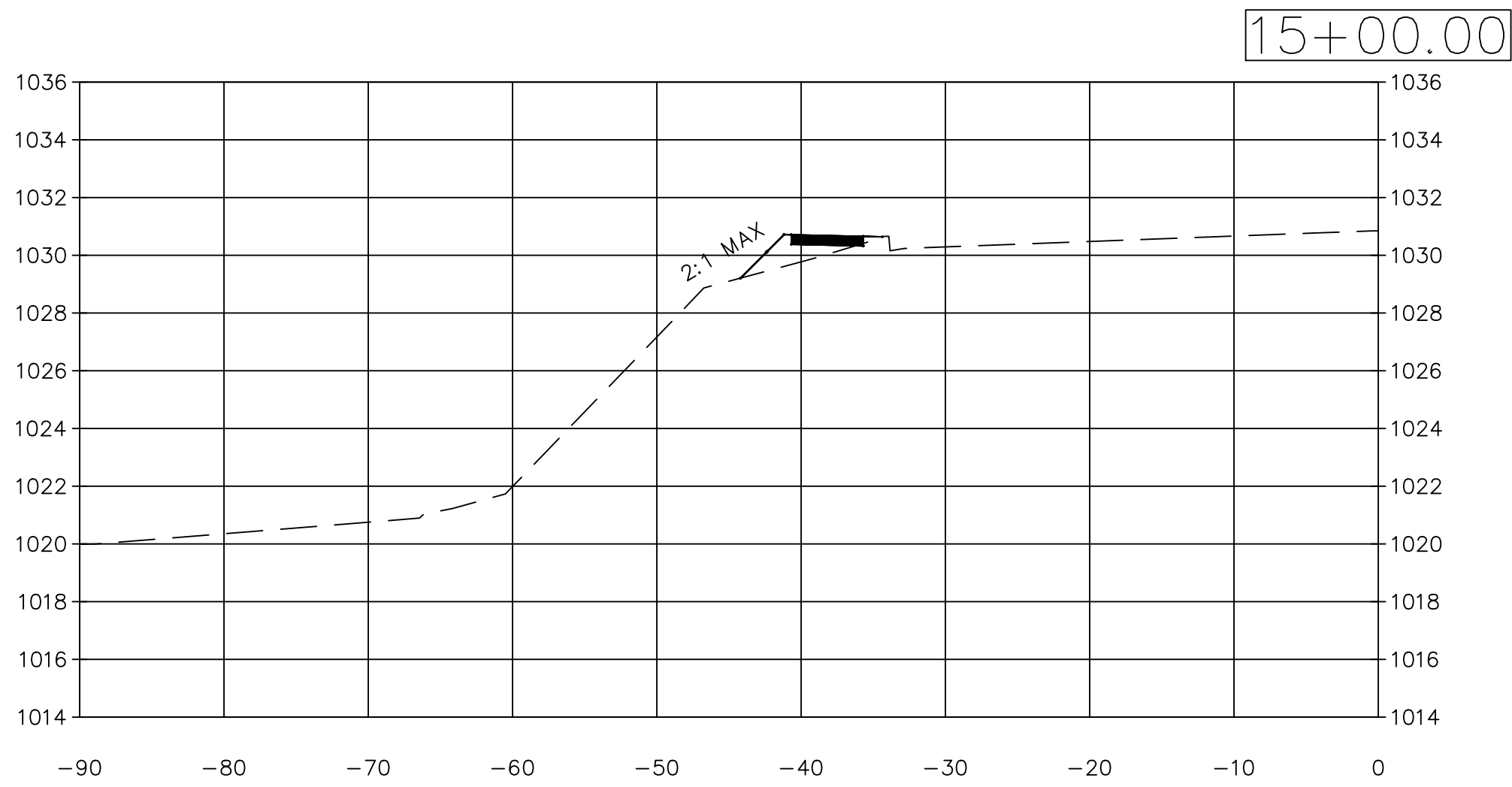
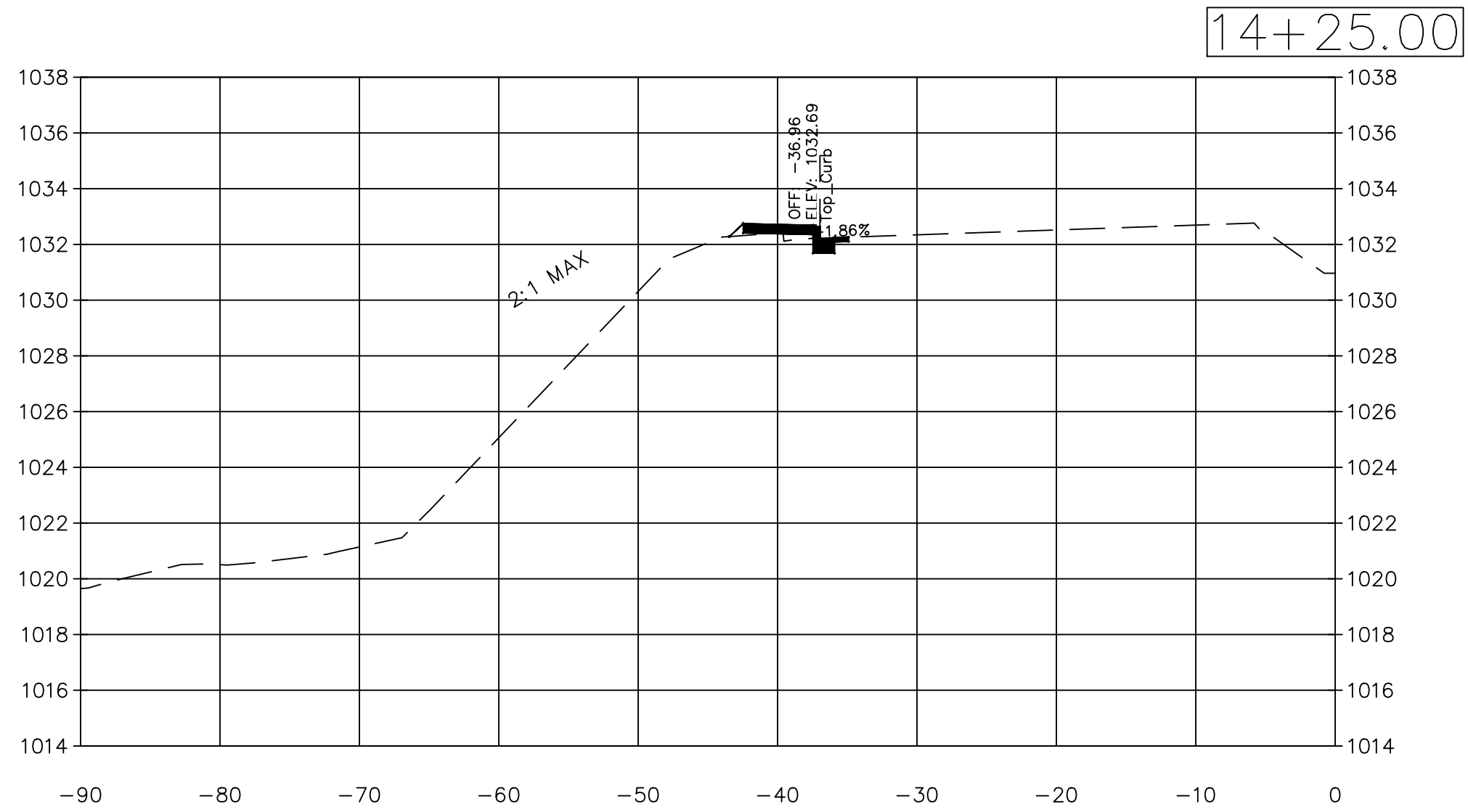
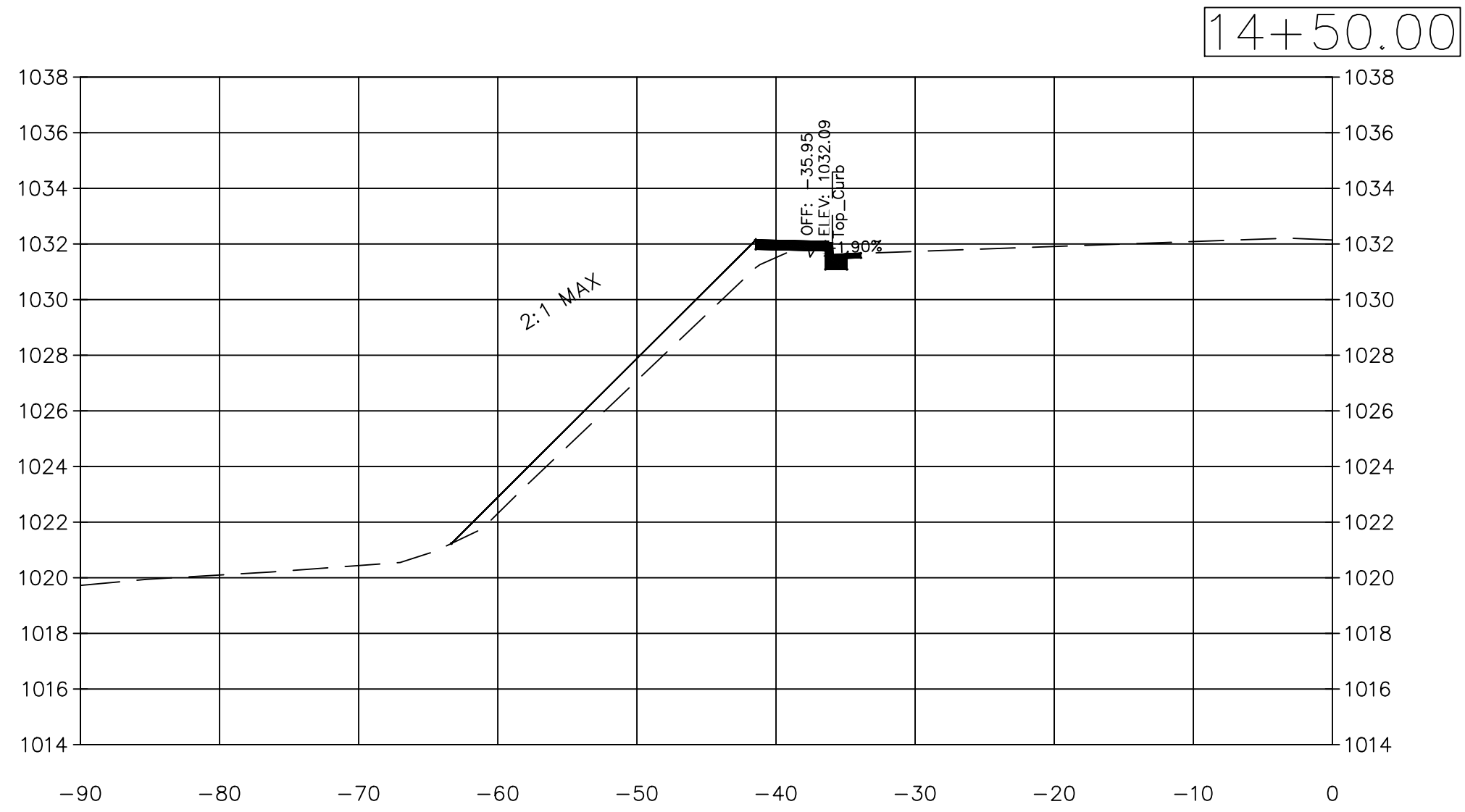
CITY OF GREENVILLE

GREENVILLE, S.C.

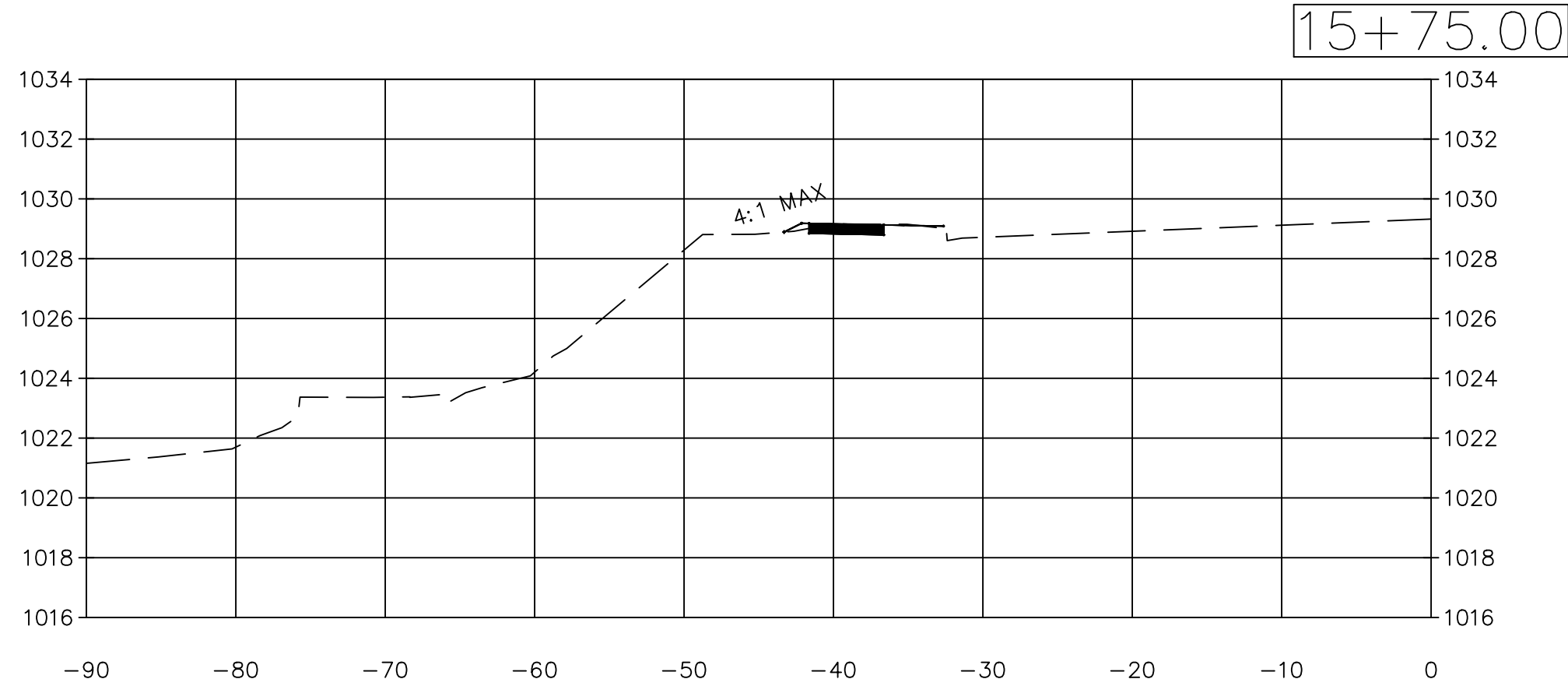
Cross Sections

DRAWING NO.
XS-2

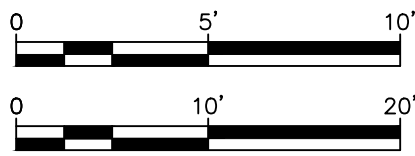
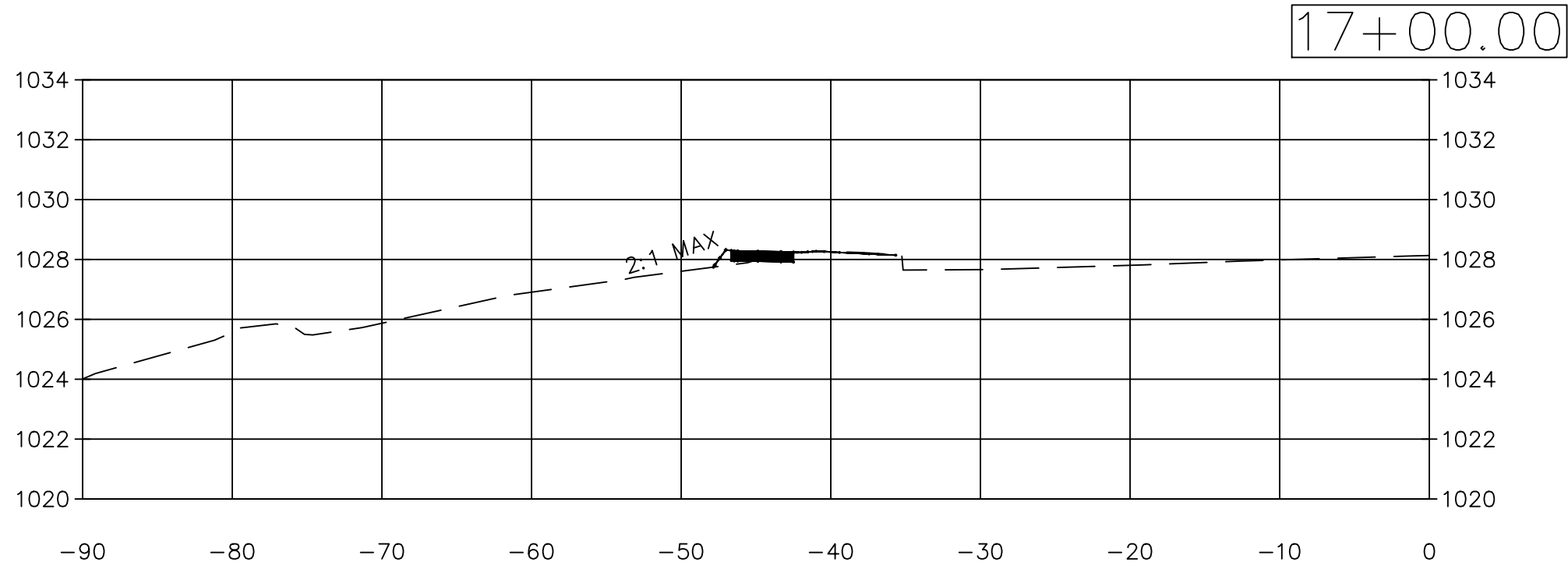
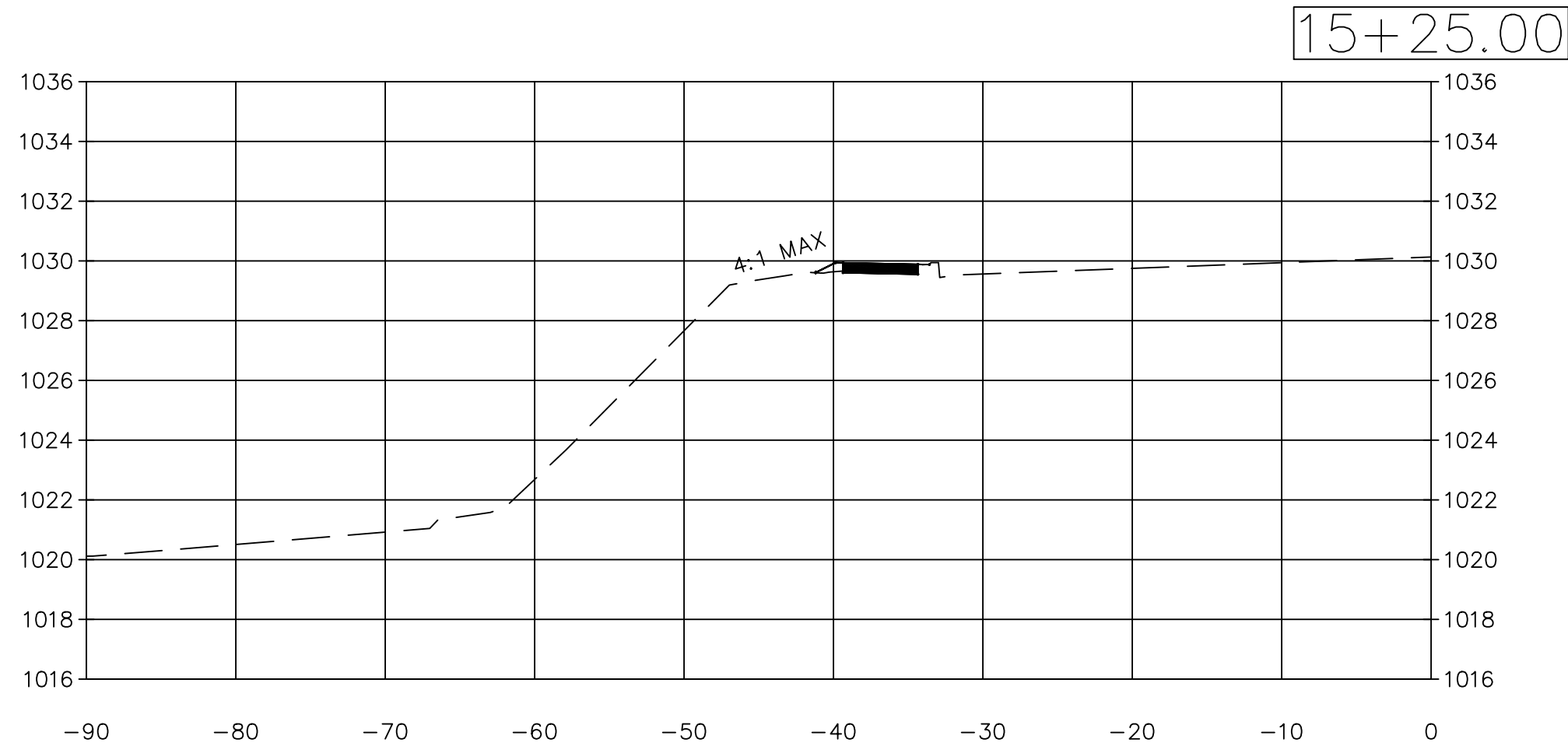
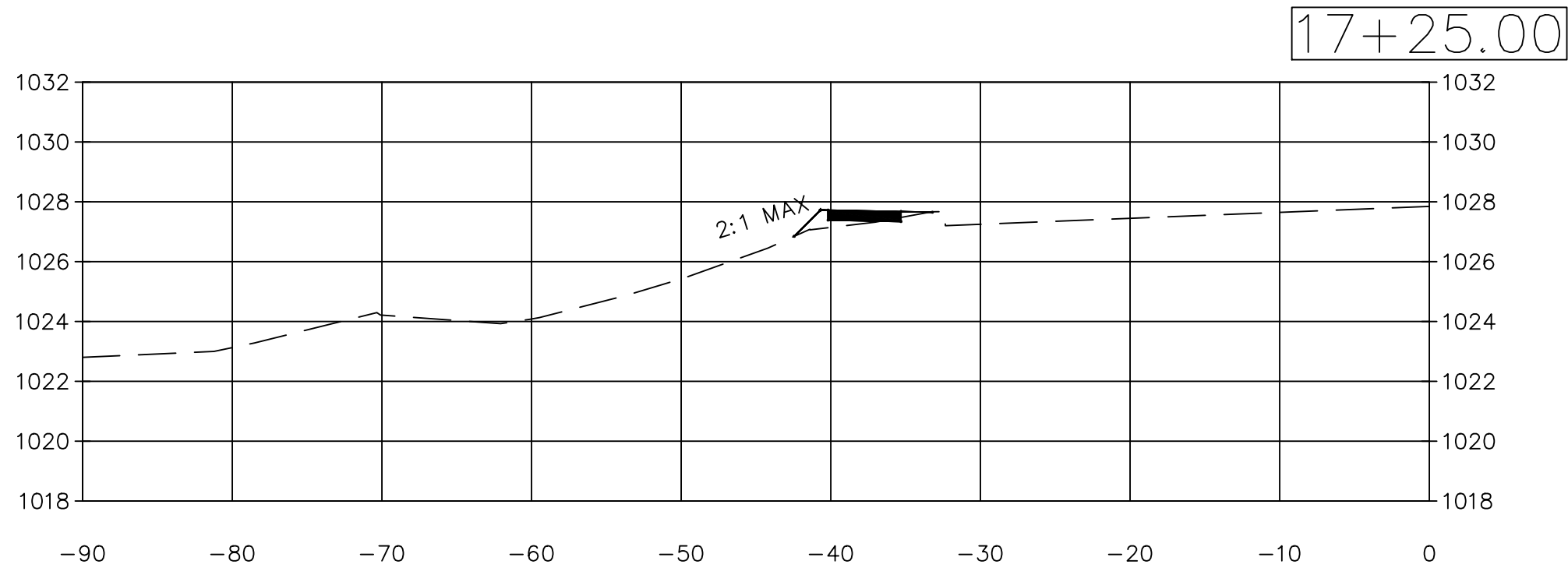
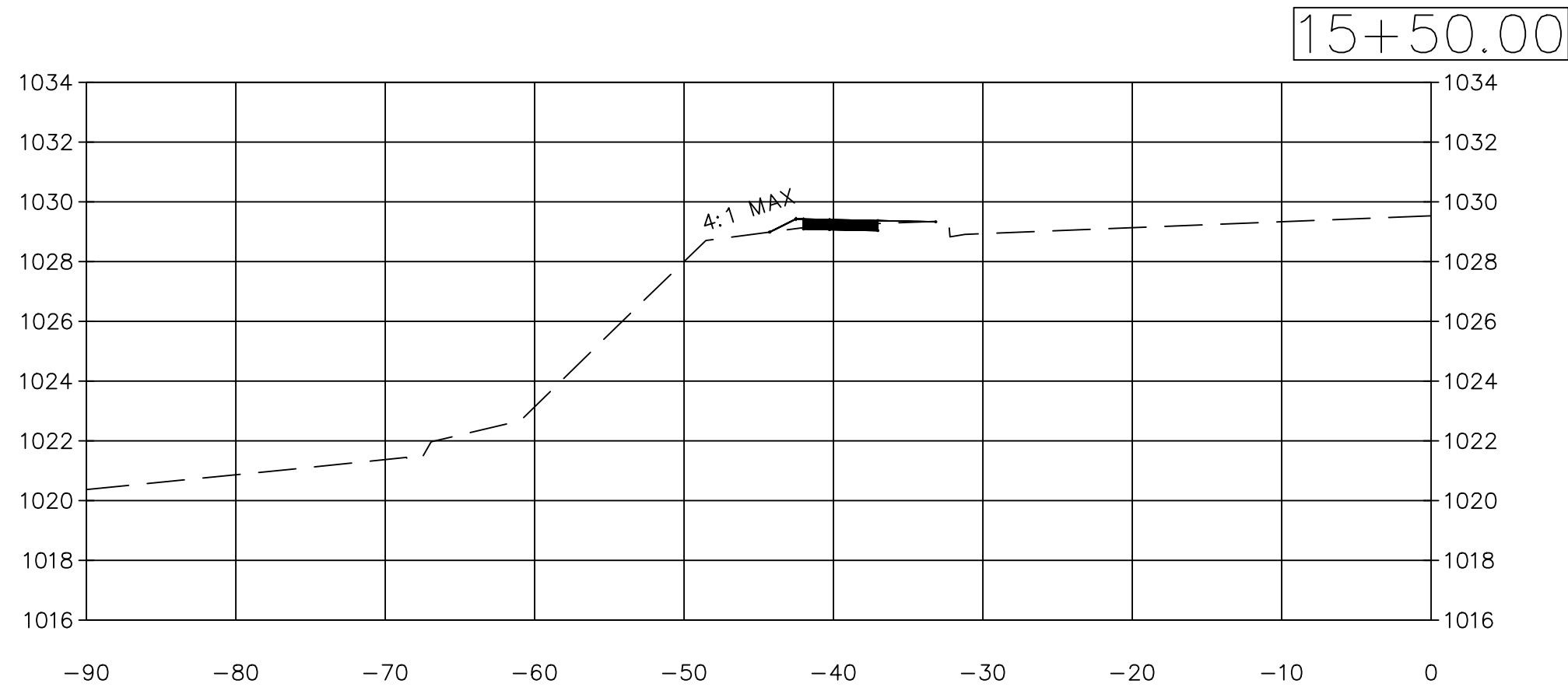
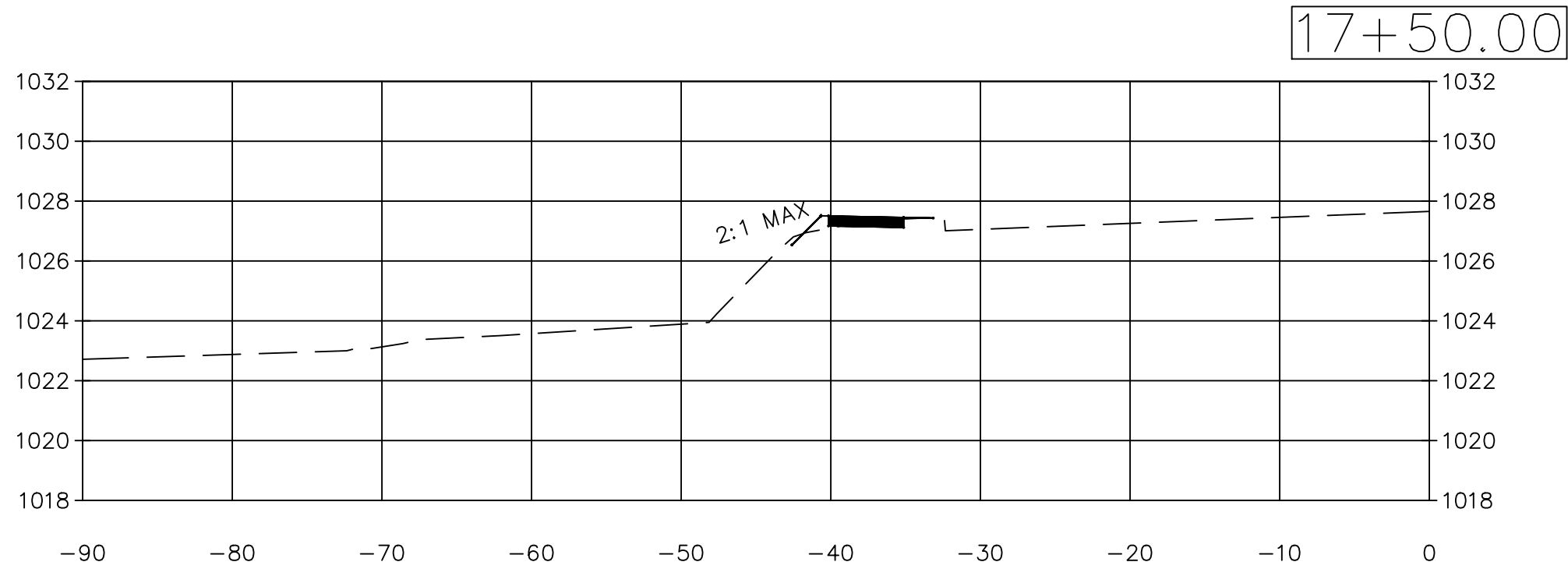
*NOTE: ALL SIDEWALK HAS A MAX CROSS-SLOPE OF 2%



DRAWING NO. XS-3		Haywood Road Sidewalks CITY OF GREENVILLE GREENVILLE, S.C. Cross Sections		PROJECT NO. XXXXXX DATE 12/1/2016 DRAWN BY NDD CHECKED BY CL		REVISION		No.		DATE		BY/CHKD		THE CITY OF GREENVILLE GREENVILLE, S.C. P.O. BOX 2207	
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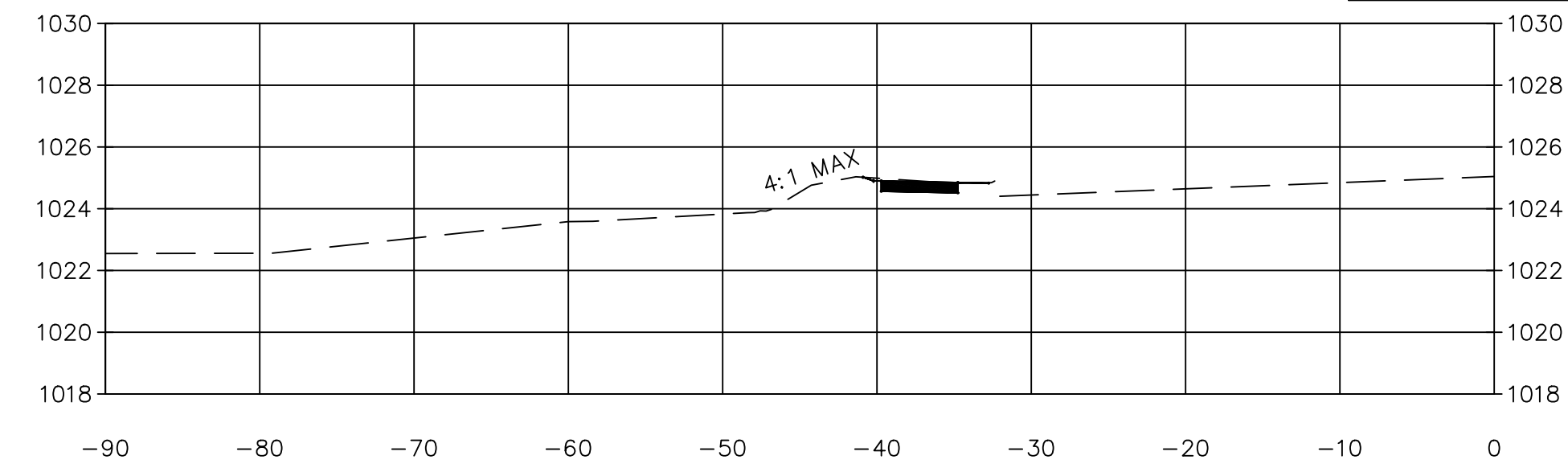


*NOTE: ALL SIDEWALK HAS A MAX CROSS-SLOPE OF 2%

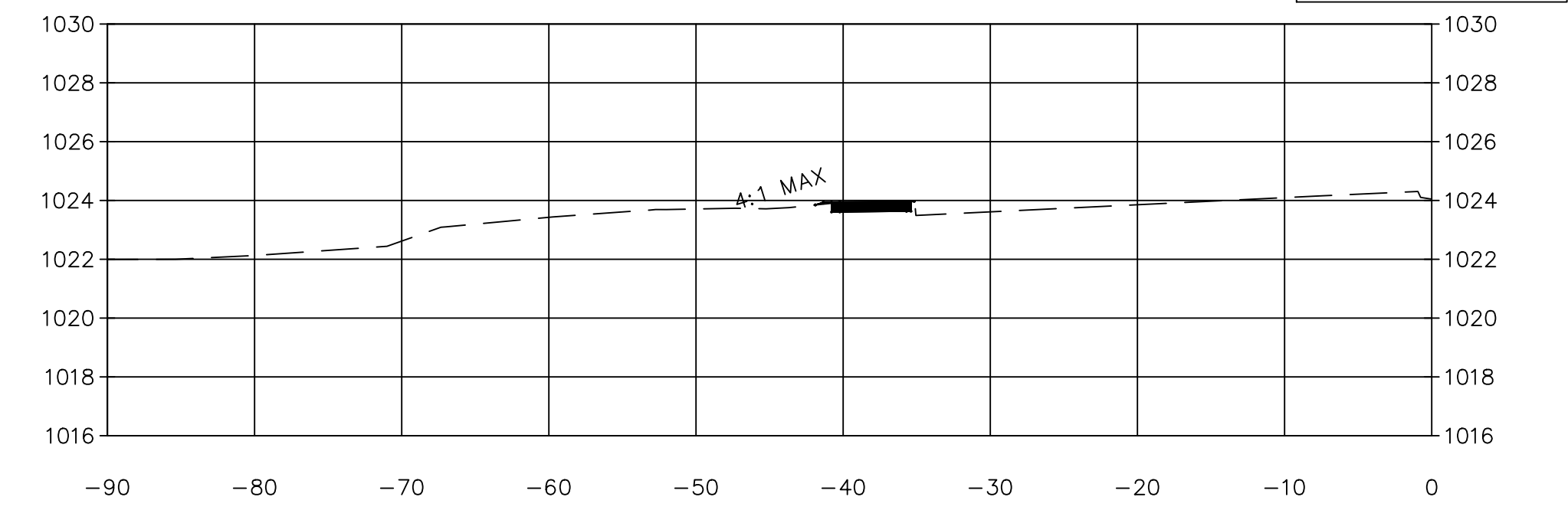


DRAWING NO.		XS-4	
Haywood Road Sidewalks		CITY OF GREENVILLE	
GREENVILLE, S.C.		Cross Sections	
PROJECT NO.	XXXXXX	DATE	12/1/2016
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THE CITY OF GREENVILLE		GREENVILLE, S.C.	
P.O. BOX 2207		GREENVILLE, S.C.	

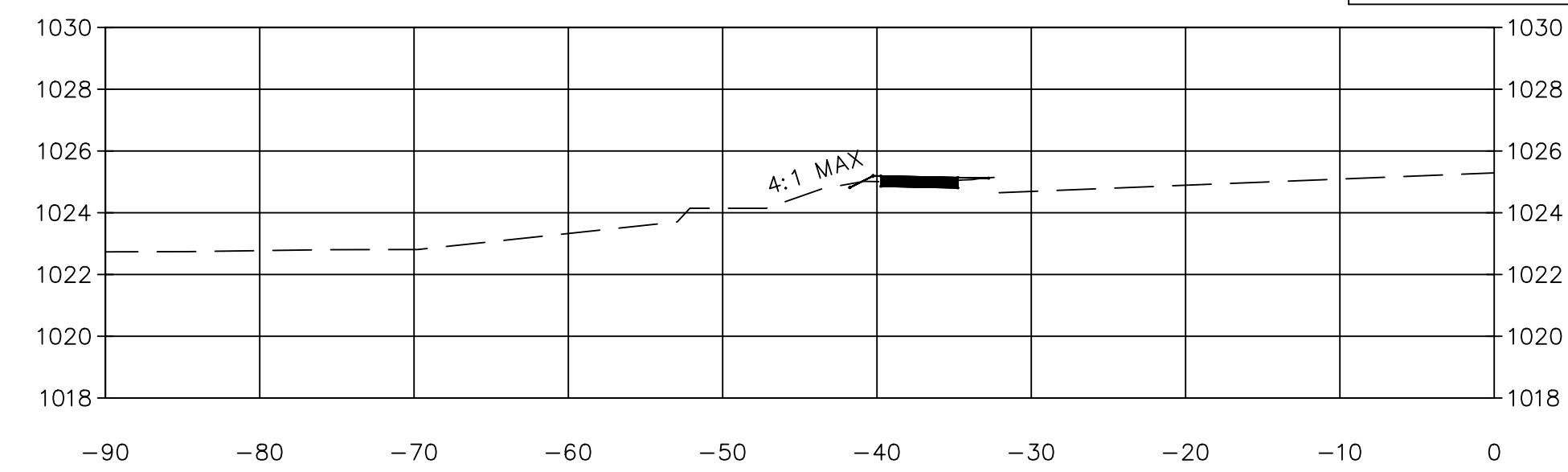
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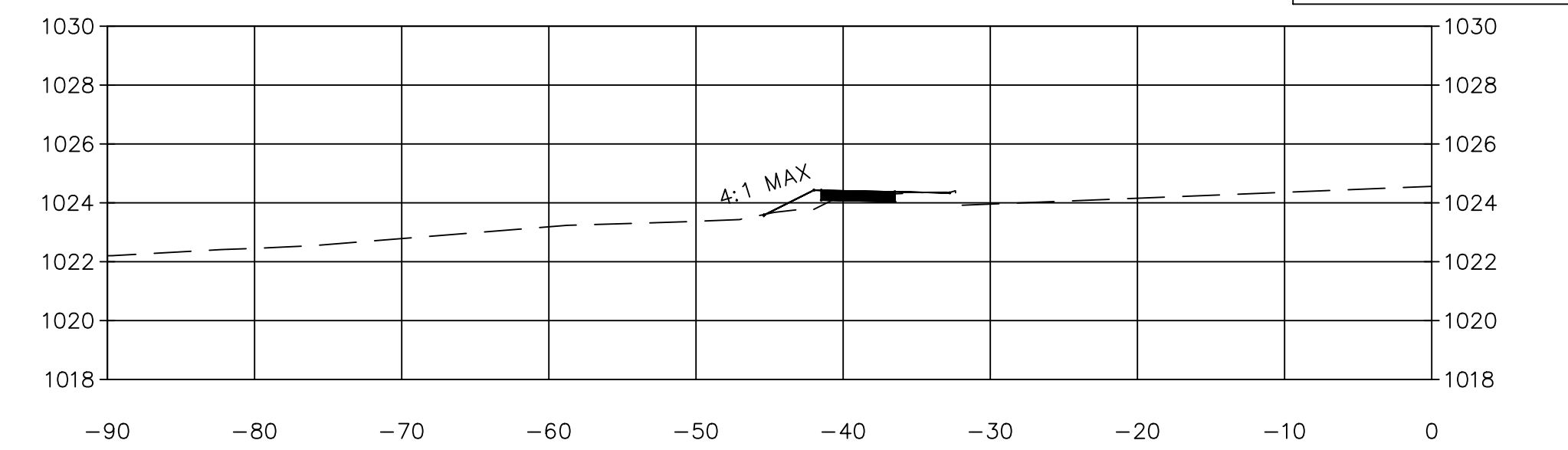
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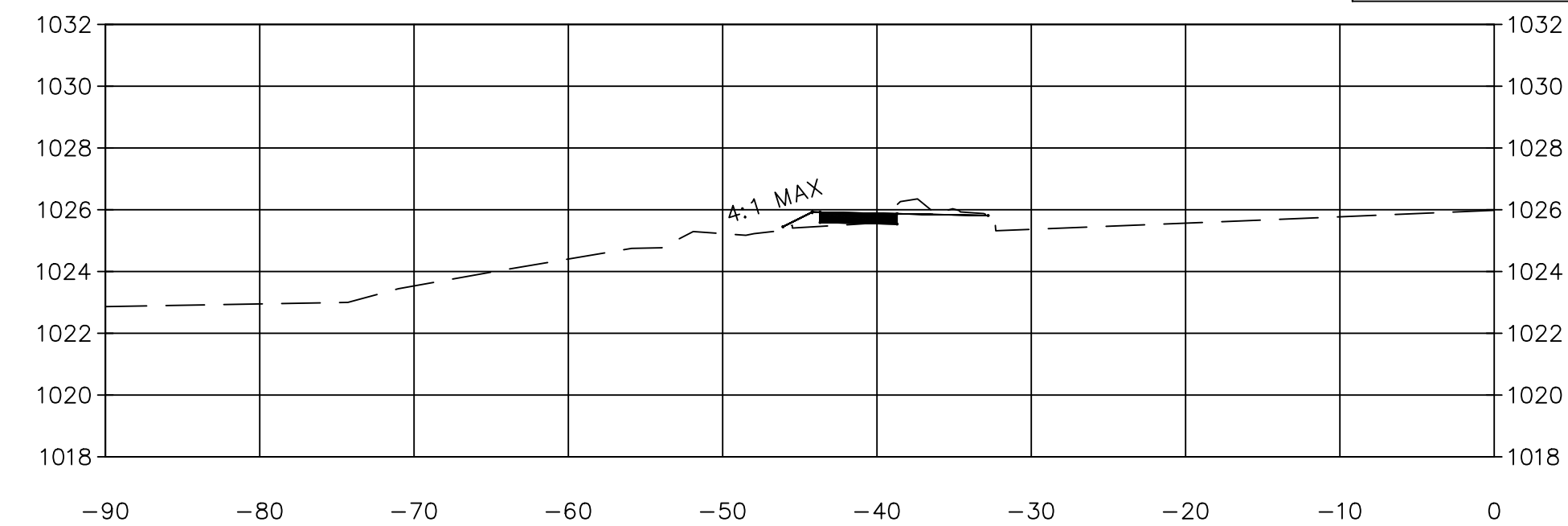
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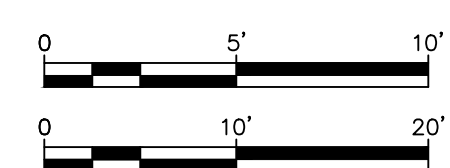
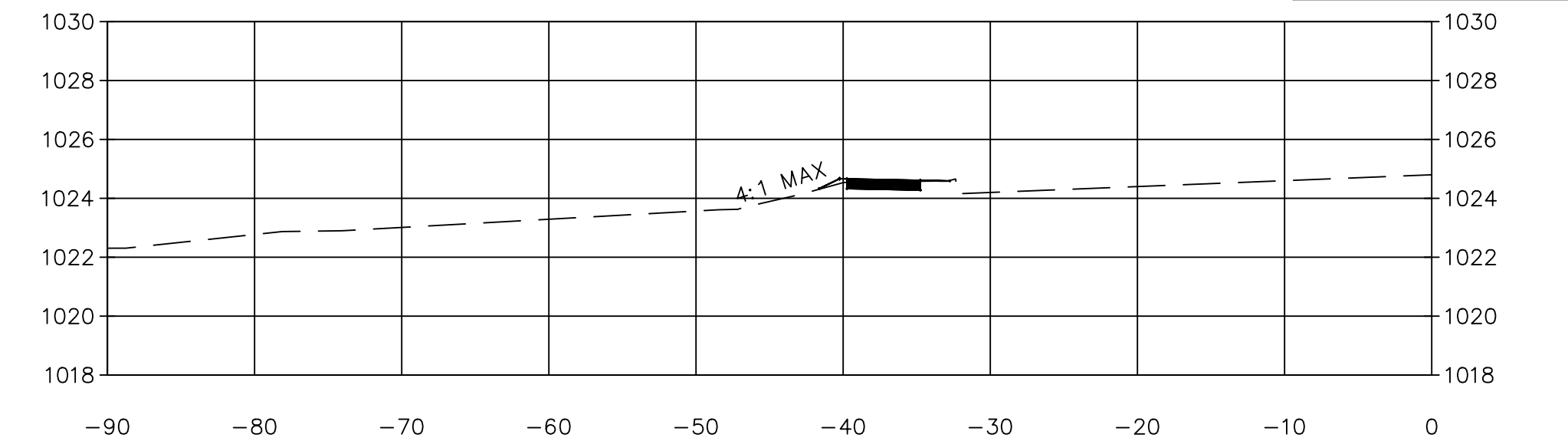
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20+50.00



*THE CITY OF
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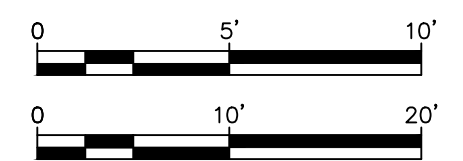
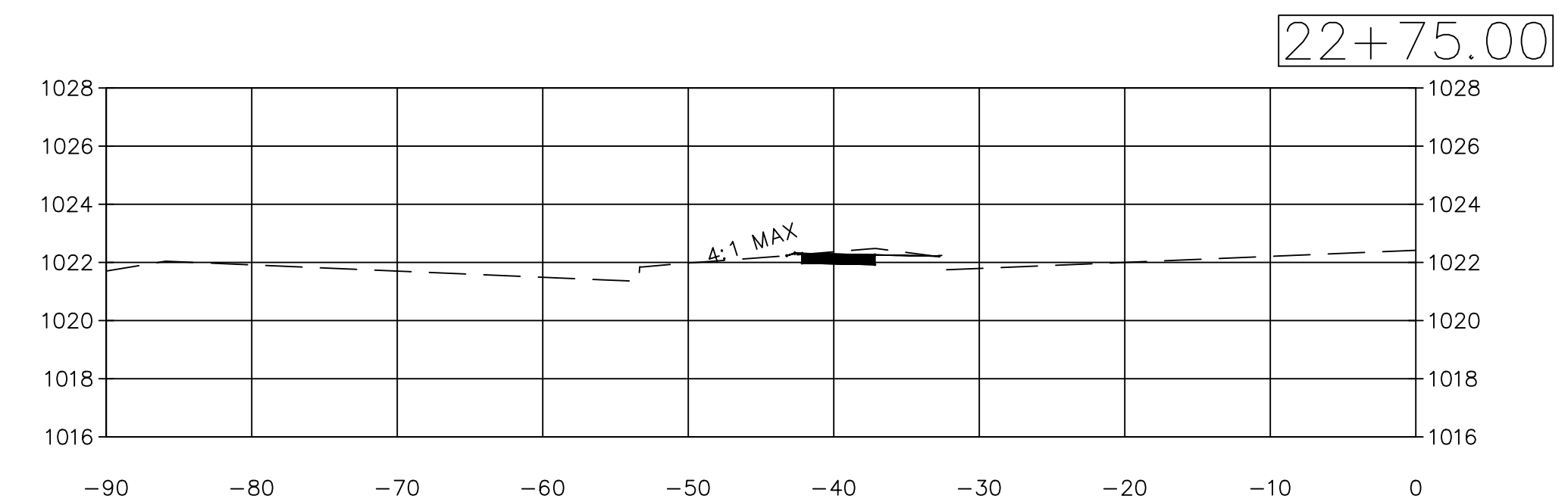
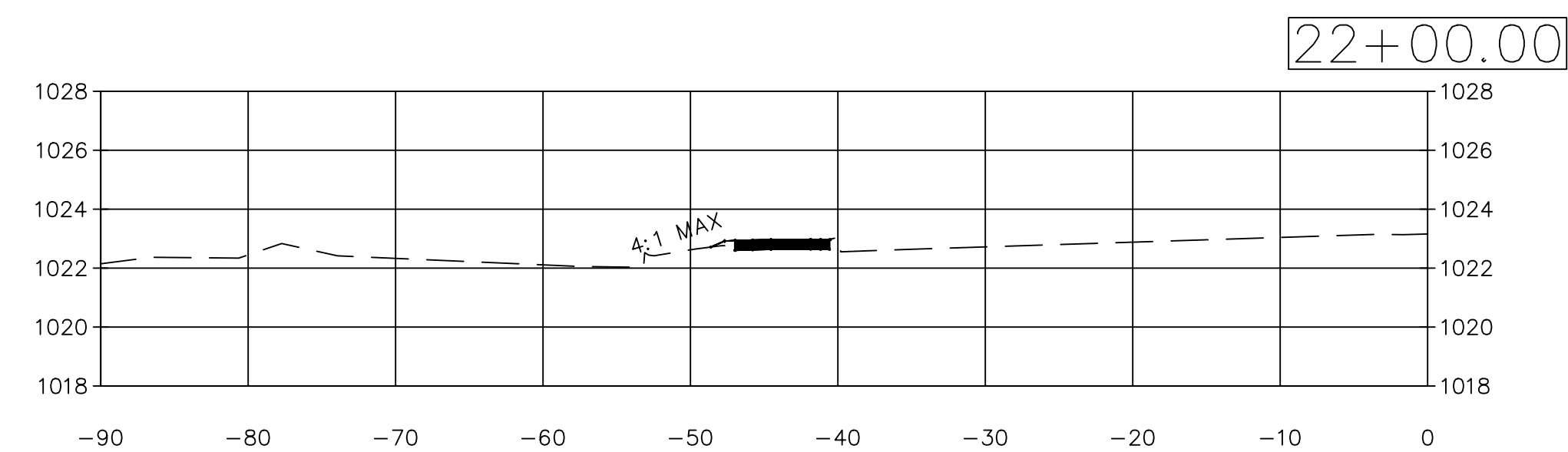
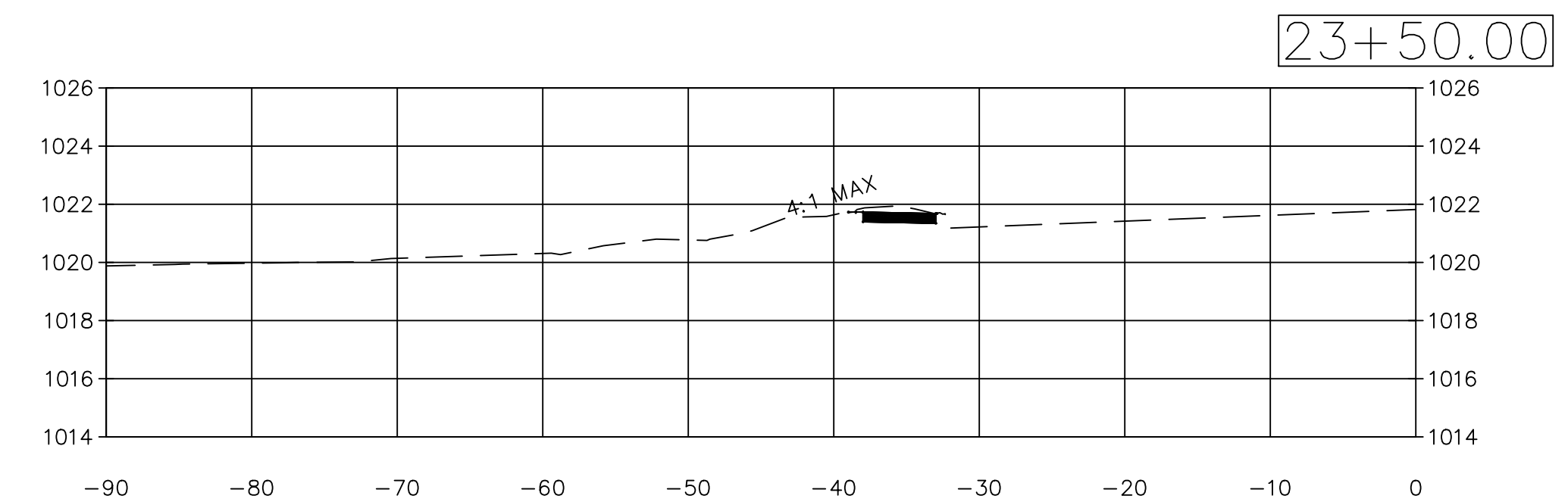
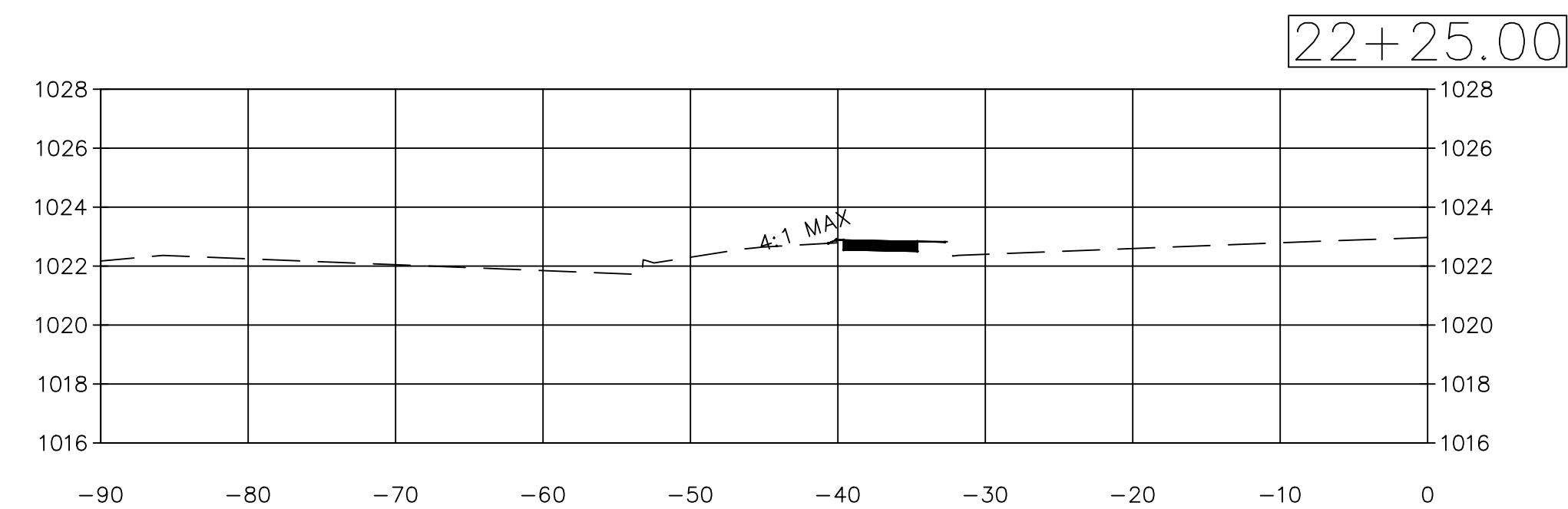
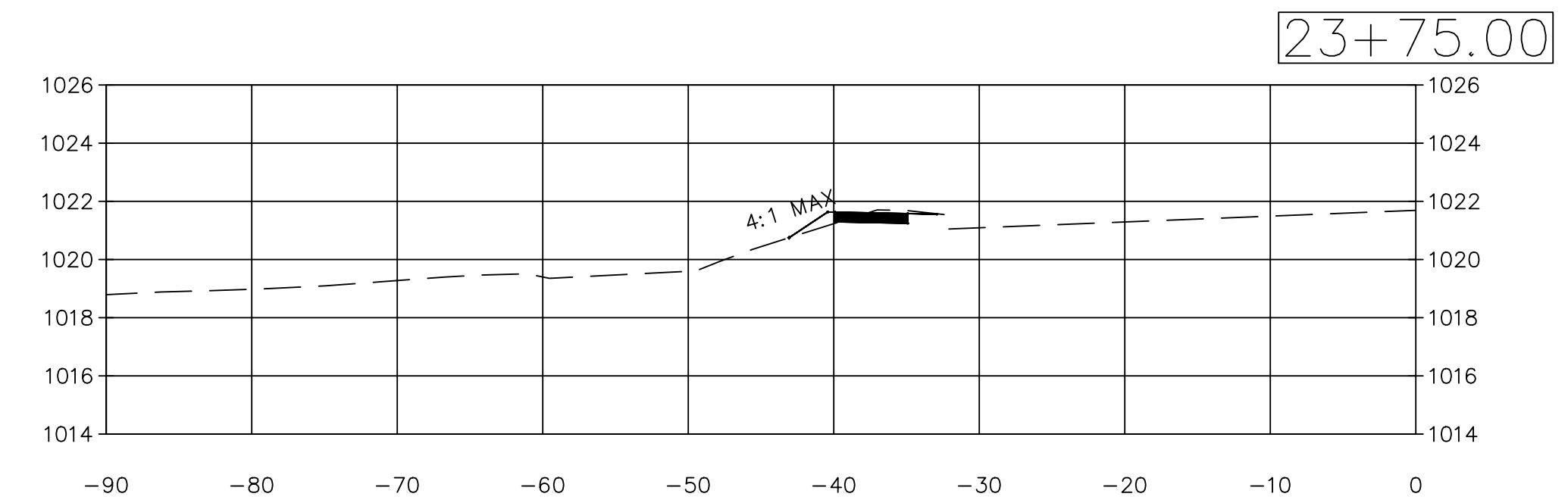
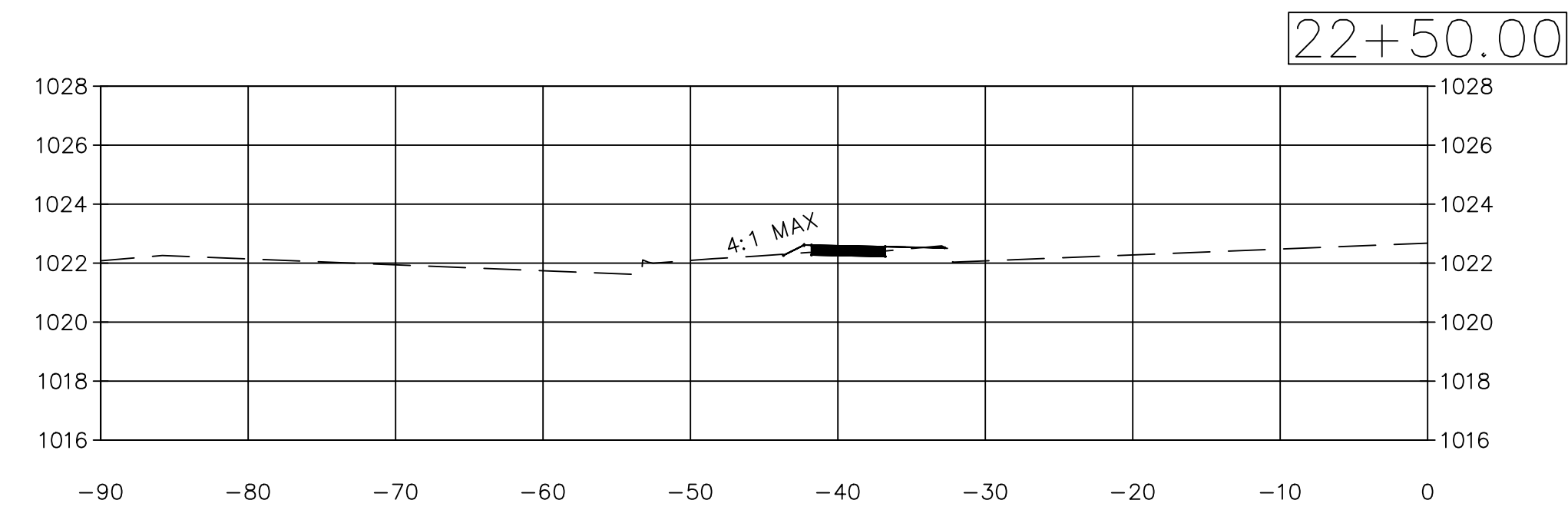
Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.

Cross Sections

DRAWING NO.

XS-6

*NOTE: ALL SIDEWALK HAS A MAX CROSS-SLOPE OF 2%



THE CITY OF
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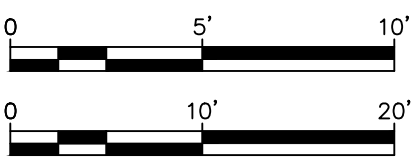
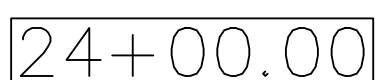
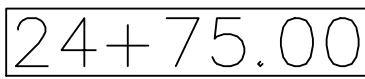
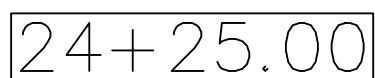
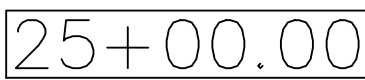
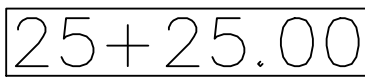
Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.

Cross Sections

DRAWING NO.

XS-7

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GREENVILLE, S.C.

P.O. BOX 2207

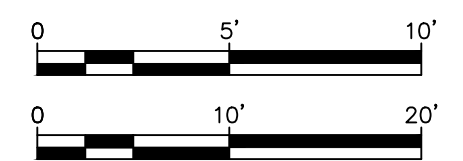
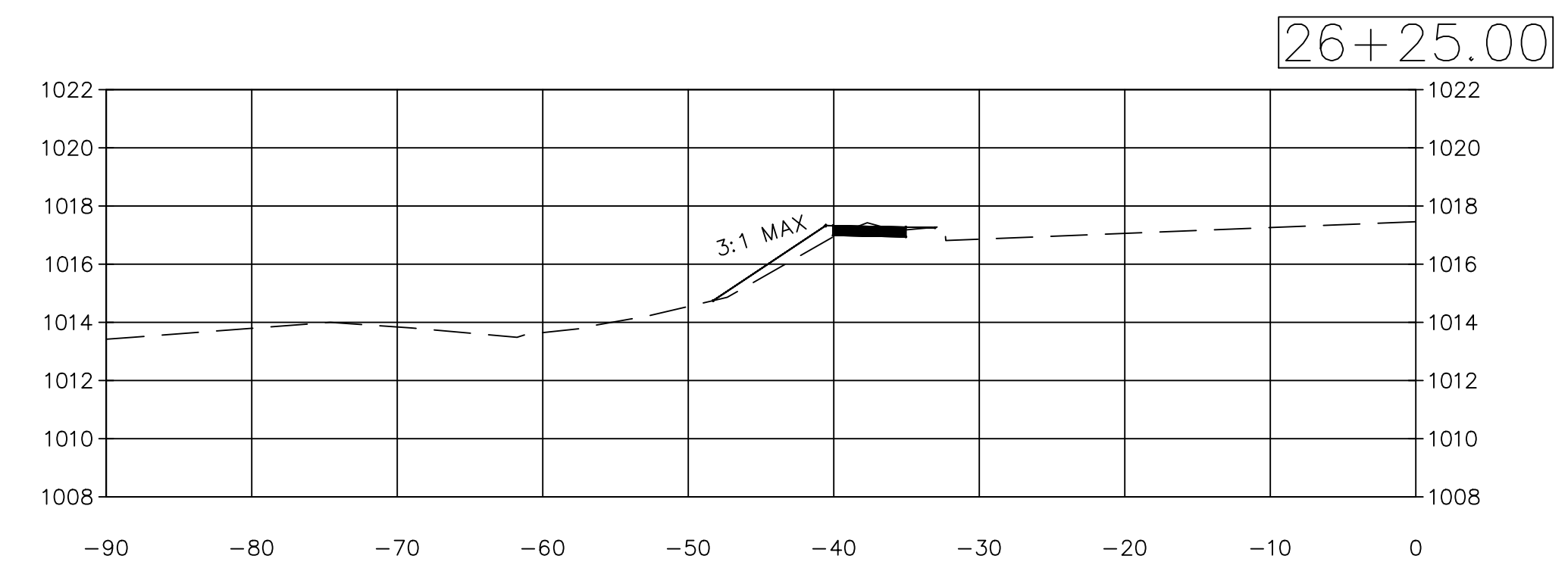
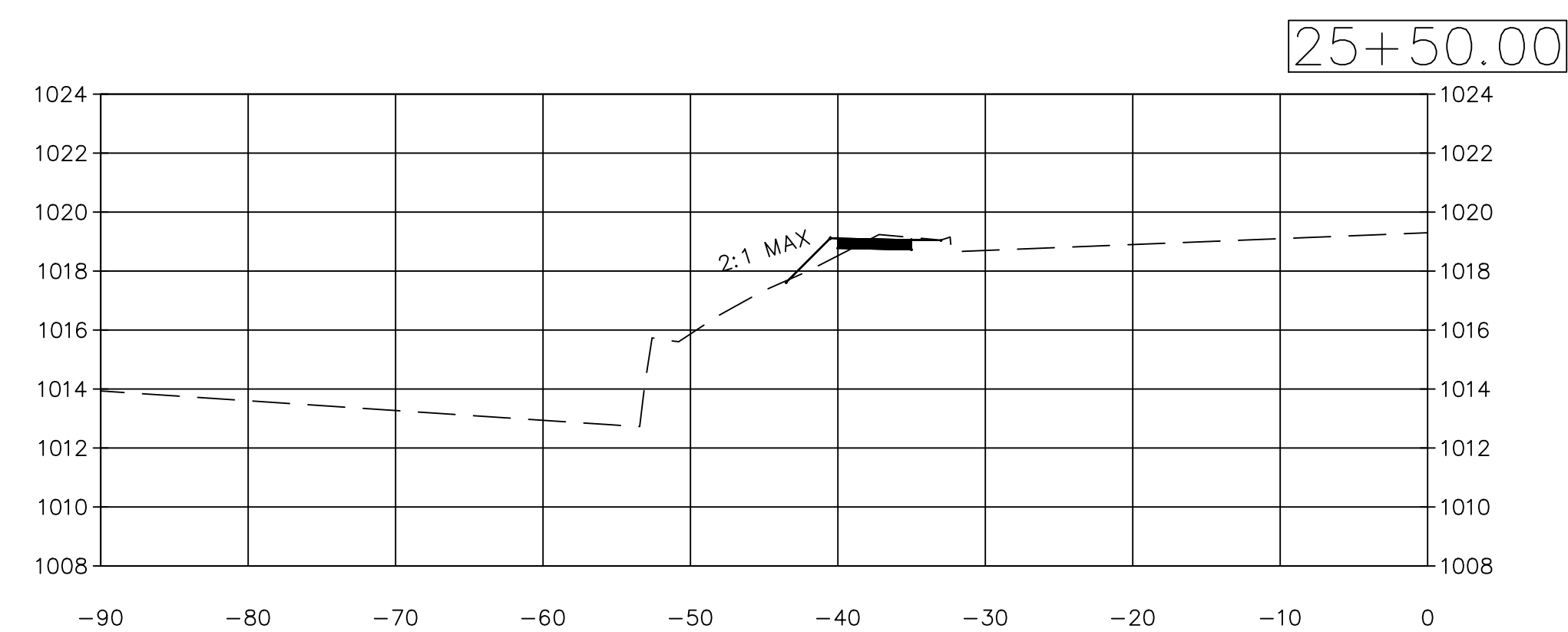
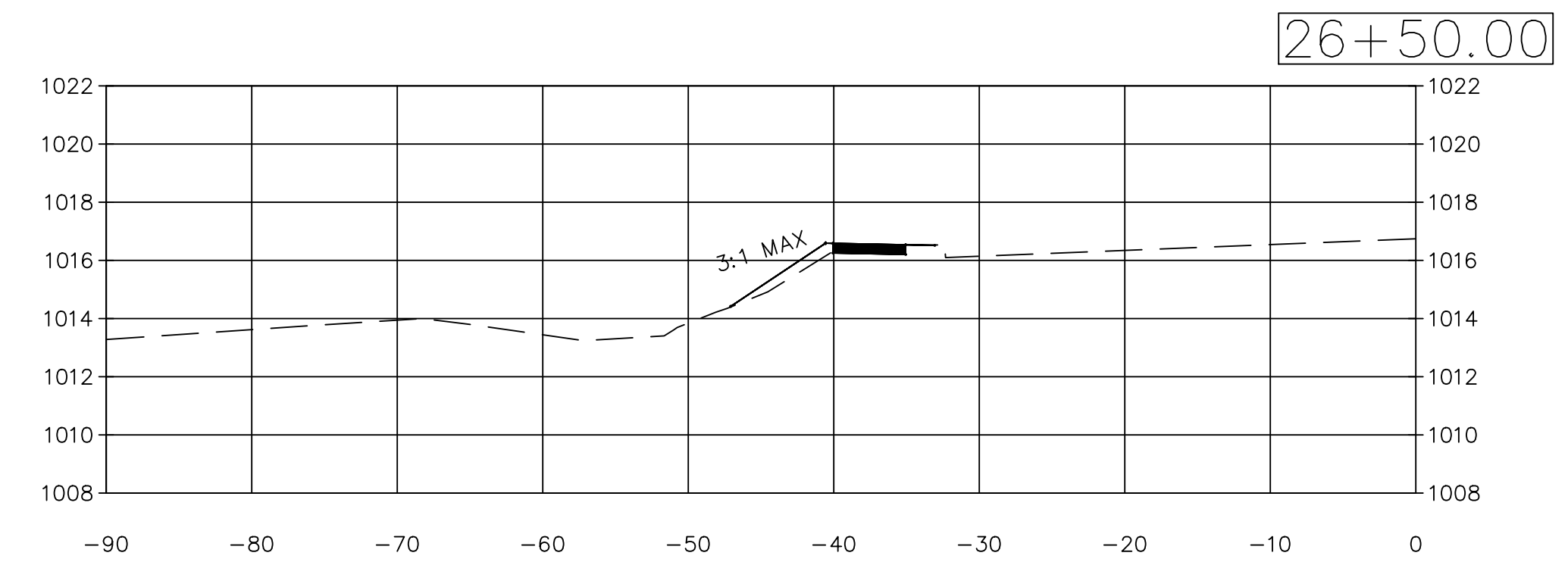
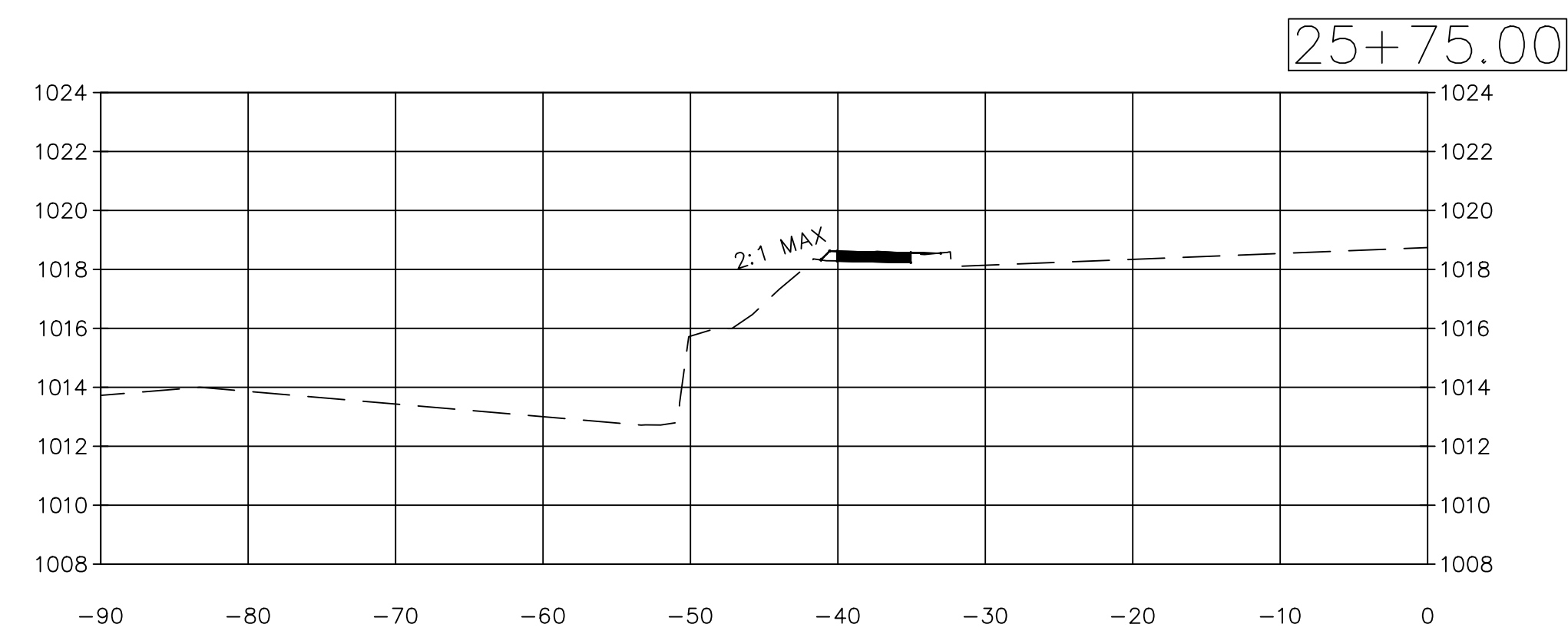
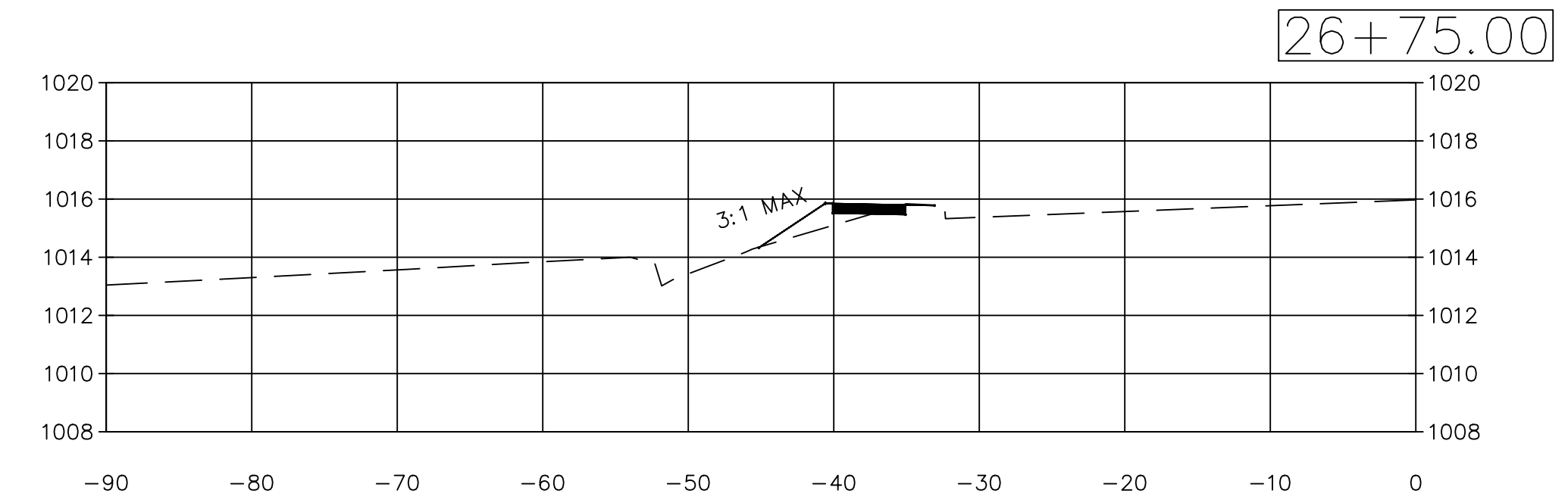
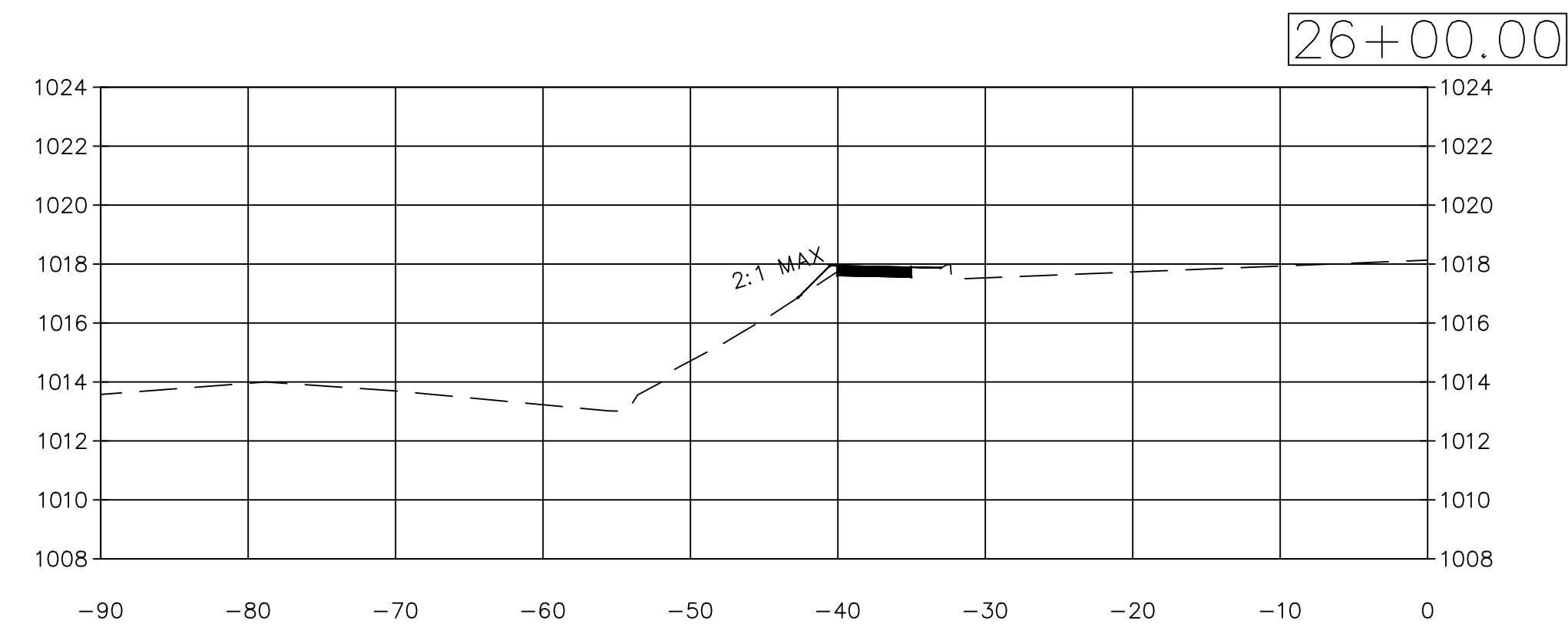
PROJECT NO.	REVISION	NO.	DATE	BY/CRD
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Cross Sections

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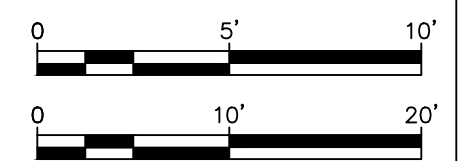
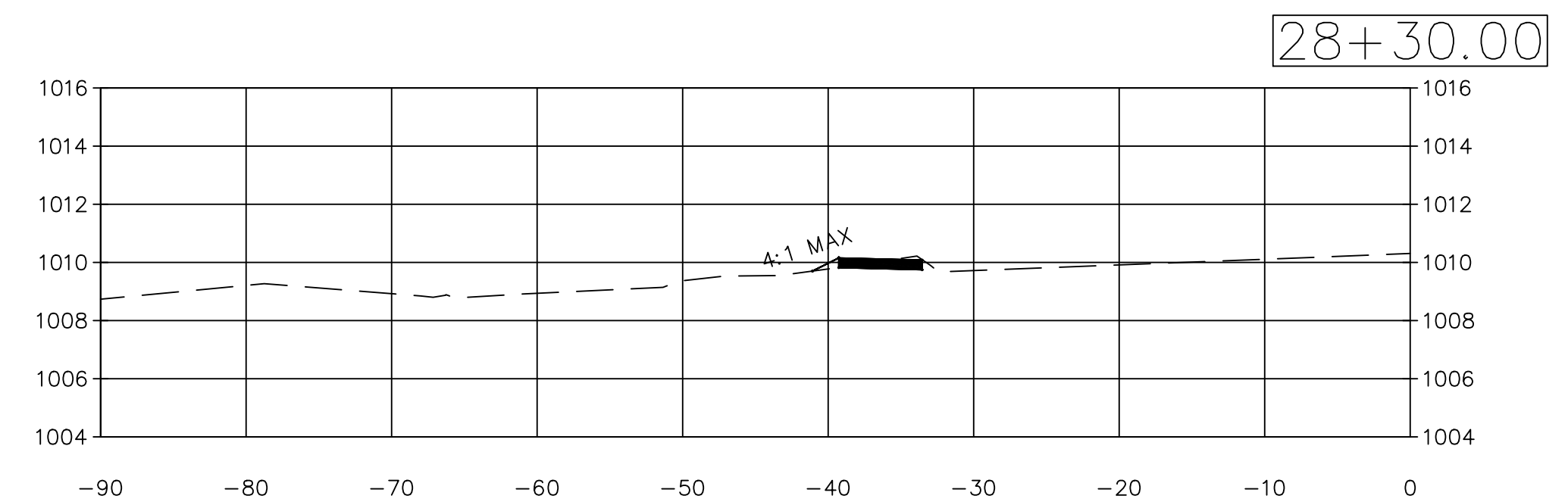
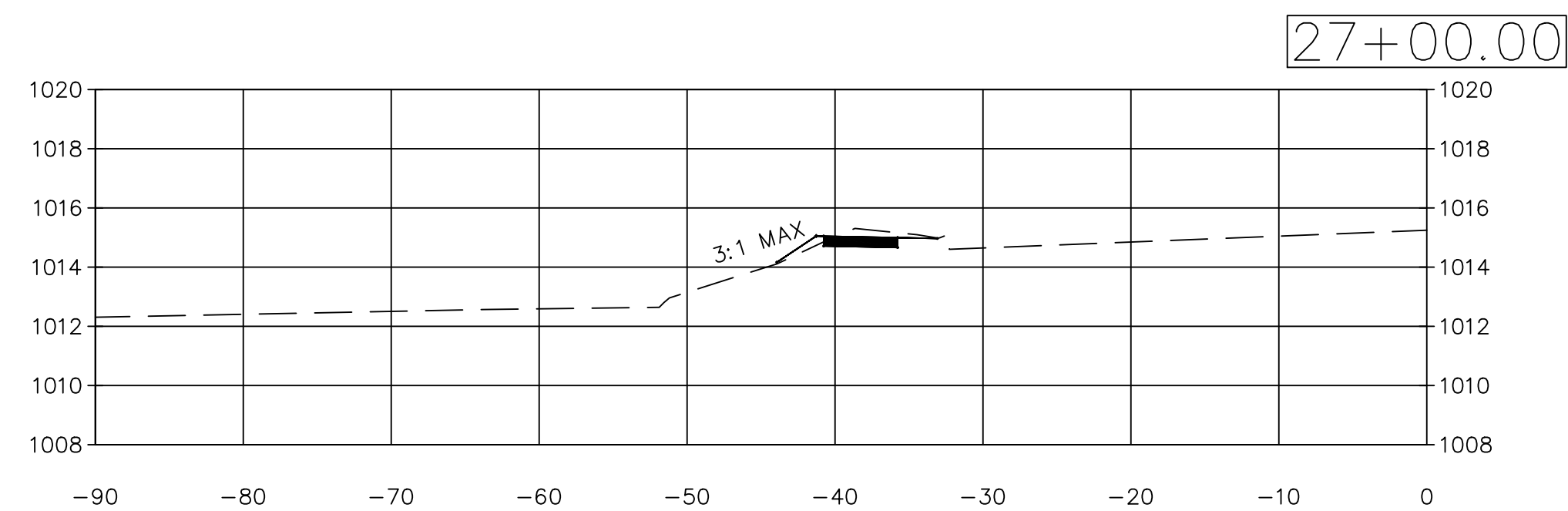
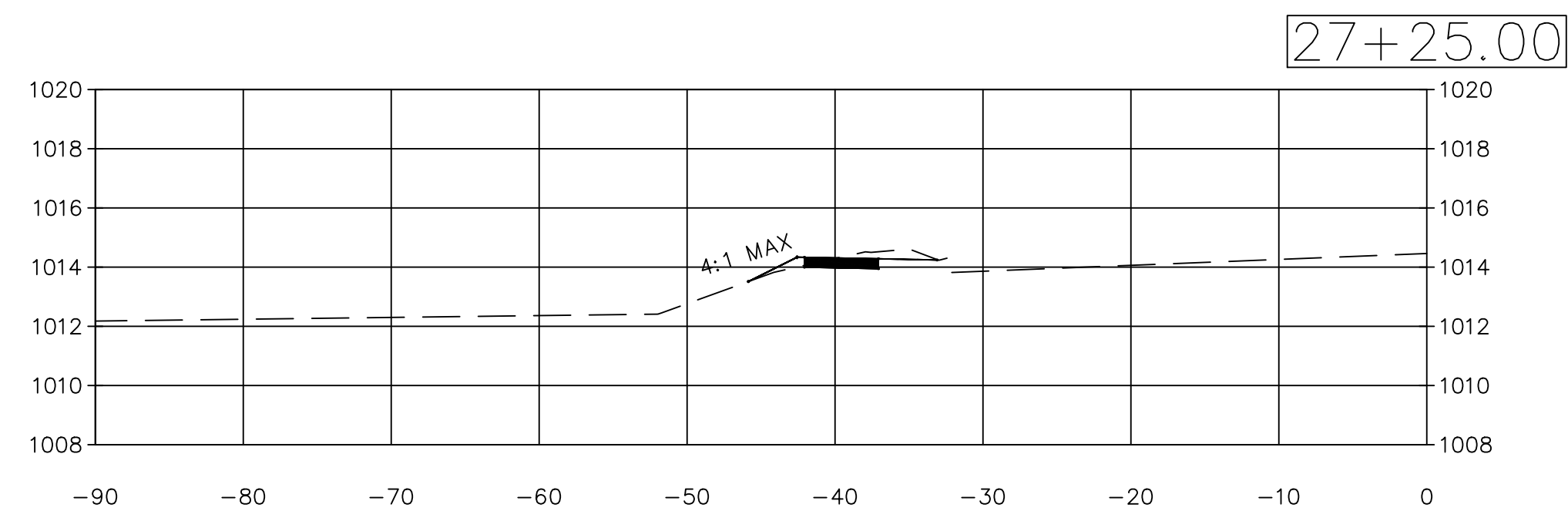
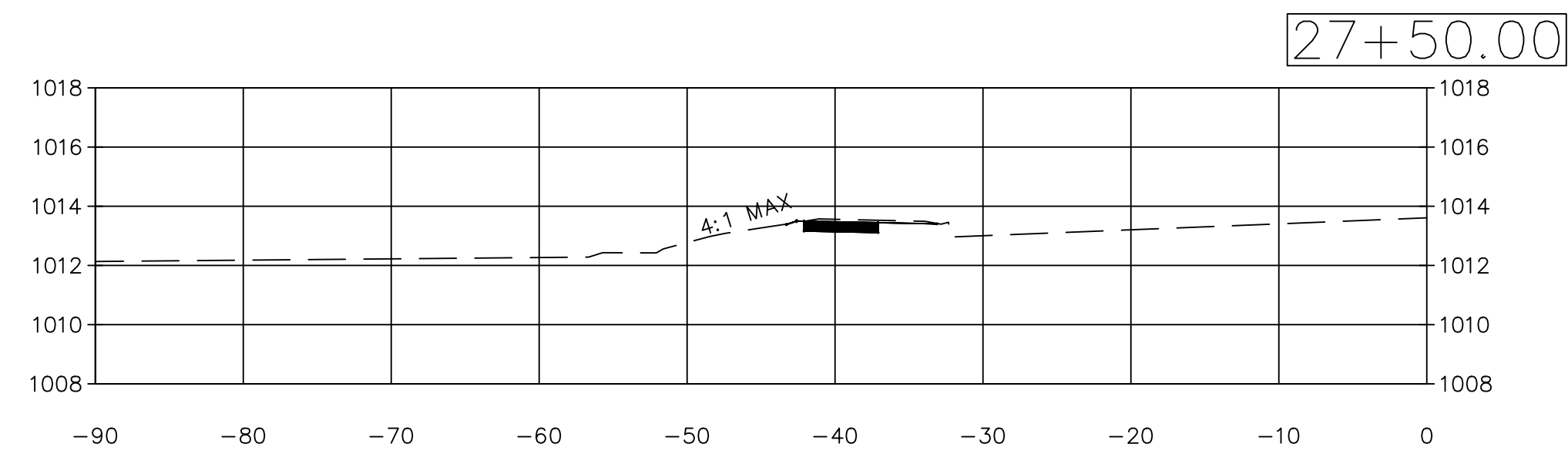
Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.

Cross Sections

DRAWING NO.

XS-9

*NOTE: ALL SIDEWALK HAS A MAX CROSS-SLOPE OF 2%



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Haywood Road Sidewalks
CITY OF GREENVILLE
GREENVILLE, S.C.

Cross Sections

DRAWING NO.	
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XS-10